

# NIH GUIDE

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**For Grants  
and  
Contracts**

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**U.S. DEPARTMENT OF HEALTH  
AND HUMAN SERVICES**

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The NIH Guide announces scientific initiatives and provides policy and administrative information to individuals and organizations who need to be kept informed of opportunities, requirements, and changes in extramural programs administered by the National Institutes of Health.

**Vol. 13, No. 7  
March 3, 1989**

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NIH REGIONAL WORKSHOPS ON IMPLEMENTATION OF THE PHS POLICY  
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P.T. 42; K.W. 1014002, 1014003, 0201011

National Institutes of Health

The National Institutes of Health, Office for Protection from Research Risks, is continuing to sponsor a series of workshops in implementing the Public Health Service Policy on the Humane Care and Use of Laboratory Animals. The workshops are open to institutional administrators, members of animal care and use committees, laboratory animal veterinarians, investigators and other institutional staff who have responsibility for high-quality management of sound institutional animal care and use programs.

Date: March 30-31, 1989

Location: Newark, New Jersey

Contact: Ms. Pat Sarles  
Office of Continuing Education  
University of Medicine & Dentistry  
of New Jersey  
185 South Orange Avenue  
Newark, New Jersey 07103  
Telephone: (201) 456-4267

Date: April 13-14, 1989

Location: New Orleans, Louisiana

Contact: Mrs. Lois Herbez  
Administrative Secretary  
Louisiana State University Medical Center  
1542 Tulane Avenue  
New Orleans, Louisiana 70112-2822  
Telephone: (504) 568-4198

Date: May 8-9, 1989

Location: Lake Tahoe, Nevada

Contact: Mrs. Julie Lamoree  
Administrative Assistant  
Office of Campus Veterinarian  
University of California, Davis  
Davis, California 95616  
Telephone: (916) 752-2364

Date: June 8-9, 1989

Location: Memphis, Tennessee

Contact: Mrs. Jean Littlejohn  
Division of Comparative Medicine  
St. Jude Children's Research Hospital  
332 North Lauderdale  
P.O. Box 318  
Memphis, Tennessee 38101-0318  
Telephone: (901) 522-0300

Date: September 14-15, 1989

Location: Denver, Colorado

Contact: Mrs. Mary Peratt  
Coordinator for Research Affairs  
Office of Research Affairs  
University of Colorado Health Sciences Center  
Box C290  
4200 East 9th Avenue  
Denver, Colorado 80262  
Telephone: (303) 270-7960

Other workshops are being planned and will be announced in future issues of the NIH Guide for Grants and Contracts. For additional information contact:

Ms. Roberta H. Sonneborn  
Executive Assistant for Animal Welfare Education  
National Institutes of Health  
Office for Protection from Research Risks  
Building 31, Room 5B59  
Bethesda, Maryland 20892

### SOURCES SOUGHT

#### RESEARCH AND DEVELOPMENT SOURCES SOUGHT: MIDP-SSA-90-10

P.T. 34, AA; K.W. 0755015, 0740075

National Institute of Allergy and Infectious Diseases

The National Institute of Allergy and Infectious Diseases (NIAID), Microbiology and Infectious Diseases Program (MIDP), is seeking sources capable of conducting one or more randomized, controlled efficacy trials which will directly compare one or more new acellular pertussis vaccines with a conventional whole cell product in an infant population.

A large-scale field trial was recently completed in Sweden in which two acellular pertussis vaccines produced in Japan were tested for efficacy in an infant population. Both vaccines were effective in preventing whooping cough, especially in cases with severe disease (i.e. cough >30 days). However, many questions remain following the trial such as: (1) could efficacy be improved by adding additional antigens to an acellular vaccine or by administering three rather than two doses; (2) what is the efficacy of acellular vaccines in infants vaccinated before six months of age; (3) what is the relative efficacy of whole cell versus acellular pertussis vaccine; (4) is there a serologic correlate of protection which can be measured; and (5) do acellular pertussis vaccines increase the risk of invasive bacterial infection?

Therefore, NIAID, on behalf of the National Vaccine Program, is interested in determining whether there are sources capable of conducting additional trials with the main emphasis on assessing the efficacy of acellular vaccines relative to whole cell vaccine in preventing cases of pertussis. The secondary aim is to compare the relative safety of acellular vaccines with a whole cell vaccine and explore serological correlates of protection among immunized infants. The purpose of this "Sources Sought Announcement" is to determine if there are any interested parties capable of performing the trials as envisioned.

Interested parties should submit six (6) copies of a capability statement no later than May 3, 1989. That statement should, at a minimum address each of the following areas:

The capability to perform a double blind, randomized, prospective efficacy study which includes a whole cell pertussis arm, and, if possible, a placebo control.

The capability to recruit a sufficient number of infants to have a high probability that the upper limit of a two-sided 95 percent confidence interval for the relative risk of pertussis with acellular vaccine, compared to whole cell vaccine, will be <1.5 if the two vaccines are equally effective.

The capability to immunize infants with three doses of either acellular or whole cell pertussis vaccine, preferable by the age of six months, but no later than 10 months.

The capability to collect and store samples of sera and nasal secretions before and after immunization and during and after disease from a subset of infants.

The capability to perform household contact studies and have access to the resources and personnel necessary to conduct a 2-3 year follow-up study.

This Sources Sought Announcement is a request for information for planning purposes. It may or may not result in a solicitation; however, no funds are currently available for these purposes.

Capability statements which are clearly identified as such should be sent to:

Rosemary McCabe Hamill  
Contracting Officer  
MIDP-SSA-90-10  
National Institutes of Health  
National Institutes of Allergy and Infectious Diseases  
Contract Management Branch  
Westwood Building, Room 707  
5333 Westbard Avenue  
Bethesda, Maryland 20892

DATED ANNOUNCEMENTS (RFPs AND RFAs)

FACILITY FOR NON-HUMAN PRIMATES UTILIZED IN INFECTIOUS DISEASE RESEARCH

RFP AVAILABLE: NIH-NIAID-OSD-90-5

P.T. 34; K.W. 1002002, 0715008, 0715125

National Institute of Allergy and Infectious Diseases

The National Institutes of Health (NIH) has a requirement for the care and housing of AIDS research animals.

The Intramural Research Program, Office of the Scientific Director of the National Institute of Allergy and Infectious Diseases (NIAID), has a requirement to house and maintain non-human primates and other small animals while conducting directed research studies with respiratory and enteric disease agents. Respondents must possess facilities capable of housing approximately 65 non-human primates (monkeys). It is required that such facilities have the capacity to move air through the isolation units at a rate of 15 air changes per hour. The facility must have a back-up generator to compensate for any power failures that may occur. In addition, the facilities proposed by the offeror must include a waste disposal system capable of sterilizing all waste material prior to release into available sewage systems. Patas and squirrel monkeys will be provided by contractor; caging and isolation units will be provided by the Government.

Any contract awarded will be subject to DHHS regulations regarding the use of animal subjects in research.

One contract may be awarded as a result of this solicitation. It is expected that the contract will have a five-year period of performance. Any responsible offeror may submit a proposal which will be considered by the Government.

RFP-NIH-NIAID-OSD-90-5 will be issued on or about March 7, 1989. Proposals will be due by close of business on April 21, 1989.

Request for the RFP should be directed to:

Mr. Thomas C. Porter  
Contract Specialist  
Contract Management Branch  
National Institute of Allergy and Infectious Diseases  
National Institutes of Health  
Westwood Building, Room 707  
Bethesda, Maryland 20892

Please provide this office with two self-addressed labels.

This advertisement does not commit the Government to award a contract.

CARE AND HOUSING OF AIDS RESEARCH ANIMALS

RFP AVAILABLE: NIH-NIAID-OSD-90-2

P.T. 34; K.W. 1002002, 0715008, 0715125

National Institute of Allergy and Infectious Diseases

The National Institutes of Health (NIH) has a requirement for the care and housing of AIDS research animals.

The Intramural Research Program, Office of the Scientific Director of the National Institute of Allergy and Infectious Diseases (NIAID) has a

requirement to house and maintain non-human primates and other small animals while conducting directed research studies with simian and human immunodeficiency viruses. Respondents must possess facilities capable of housing approximately 110 non-human primates (monkeys). It is required that such facilities have the capacity to move air through the isolation units at a rate of 15 air changes per hour. The facility must have a back-up generator to compensate for any power failures that may occur. In addition, the facilities proposed by the offeror must include a waste disposal system capable of sterilizing all waste material prior to release into available sewage systems. Monkeys, caging, and isolation units will be provided by the Government.

Any contract awarded will be subject to DHHS regulations regarding the use of animal subjects in research.

One contract may be awarded as a result of this solicitation. It is expected that the contract will have a five-year period of performance. Any responsible offeror may submit a proposal which will be considered by the Government.

RFP-NIH-NIAID-OSD-90-2 will be issued on or about March 7, 1989. Proposals will be due by close of business on April 21, 1989.

Request for the RFP should be directed to:

Mr. Thomas C. Porter  
Contract Specialist  
Contract Management Branch  
National Institute of Allergy and Infectious Diseases  
National Institutes of Health  
Westwood Building, Room 707  
Bethesda, Maryland 20892

Please provide this office with two self-addressed labels.

This advertisement does not commit the Government to award a contract.

ESTABLISHMENT AND MAINTENANCE OF AN ARMADILLO COLONY INFECTED WITH MYCOBACTERIUM LEPRAE

RFP AVAILABLE: NIH-NIAID-MIDP-90-07

P.T. 34; K.W. 1002002, 1002029

National Institute of Allergy and Infectious Diseases

The National Institute of Allergy and Infectious Diseases (NIAID), NIH, has a requirement for the propagation of Mycobacterium leprae in armadillos of the nine-banded species. A colony of 100 armadillos shall be maintained. From the infected tissues, Mycobacterium leprae cell and antigens shall be purified and sent to investigators to use in their particular research programs. One 5-year cost reimbursement contract is anticipated as a result of this solicitation. The solicitation package will be available on/or about March 16, 1989, with an anticipated closing date of May 2, 1989. Any responsible offeror may submit a proposal which will be considered by the Government.

This is an announcement for an anticipated Request for Proposal (RFP). To receive a copy of the RFP, please supply this office with two self-addressed labels. Inquiries should be in writing and addressed to the office listed below.

Ms. Rosemary McCabe Hamill  
National Institute of Allergy  
and Infectious Diseases  
National Institutes of Health  
5333 Westbard Avenue  
Westwood Building, Room 707  
Bethesda, Maryland 20892

This advertisement does not commit the Government to award a contract.

## MENTAL RETARDATION RESEARCH CENTERS

RFA AVAILABLE: HD-89-06

P.T. 04; K.W. 0715130, 0745027, 0715135, 1002008, 0404000, 0785055

National Institute of Child Health and Human Development

Application Receipt Date: July 13, 1989 Letter of Intent Receipt Date: April 10, 1989

The National Institute of Child Health and Human Development (NICHD), through the Mental Retardation and Developmental Disabilities Branch (MRDD), Center for Research for Mothers and Children (CRMC), invites research center core grant applications (P30) to develop new knowledge in the field of prevention, treatment, and amelioration of mental retardation and developmental disabilities. Three centers may be supported in response to this announcement.

The primary objective of the NICHD Mental Retardation Research Centers (MRRCs) is to provide support and facilities for a cohesive, interdisciplinary program of research and research training in mental retardation and related aspects of human development.

NICHD has supported MRRCs through the provision of core grants (P30) which facilitate program coordination and support central research core units. Funds for the research projects using these core units come from independent sources including Federal, State and private organizations. This announcement seeks applications from existing MRRCs and from other comparable institutions that meet the qualifications for a program of mental retardation research.

### BACKGROUND

A major goal of the MRDD Branch's research program is to prevent and/or ameliorate mental retardation. The degree of impairment associated with mental retardation varies in relation to the cause. Moderate and more severe mental retardation often results from problems that produce profound alterations in brain development and/or function. Diminished intellectual and adaptive capacity can often be traced to defective genes, teratogenic agents, infections, nutritional deficits, accidents, diseases and other disorders causing brain damage. A larger proportion of cases of mental retardation is related to environmental conditions and disorders of unknown etiology. These complex problems require integrated, multidisciplinary approaches involving biomedical and behavioral sciences in a variety of settings.

The purpose of a Mental Retardation Research Center is to provide a research environment in which interdisciplinary collaboration among investigators who are working in areas of relevance to the prevention and amelioration of mental retardation is facilitated. Such research will cover a broad spectrum of scientific approaches ranging from laboratory research on fundamental processes of abnormal development to clinical and educational research in which persons with mental retardation are studied.

It is thought that major solutions to the problems of mental retardation may be found as a result of multidisciplinary collaboration involving a variety of approaches in the Mental Retardation Research Centers. As a result of the administrative and scientific organization within a MRRC and across the network of MRRCs, opportunities for breakthroughs will be enhanced.

### RESEARCH SCOPE

MRRC Core Grants are intended to bring together in a center a variety of disciplines to work on the common problems of mental retardation. Consequently, applications for Mental Retardation Center Core Grants (P30) should include investigators studying a range of topics in basic and clinical or applied research. Applicants are encouraged to include both biomedical and behavioral components from among the following topics:

1. Developmental neurobiological studies relevant to MRDD.
2. Inborn errors of metabolism relevant to MRDD.
3. Genetic/cytogenetic disorders associated with MRDD.
4. Molecular biology; development of animal models.
5. Toxicology and physical environmental factors in the etiology, treatment and prevention of MRDD.

6. Intellectual, behavioral, physical and the intergenerational effects of malnutrition.
7. Developmental pharmacology and psychopharmacology.
8. Infectious diseases in the etiology, prevention and treatment of MRDD.
9. Diagnosis.
10. Perinatal problems associated with MRDD.
11. Psychobiological processes in MRDD.
12. Psychological processes in MRDD.
13. Early intervention for infants born at risk.
14. Behavioral analysis of MRDD individuals.
15. Family and community studies.
16. Language and communication of MRDD populations.
17. Learning disabilities, dyslexia, and attention deficit disorder.
18. Behavior in residential and educational settings.
19. Socioecological processes.
20. Epidemiology of MRDD.

#### ELIGIBILITY

Any of the following organizations are eligible to apply: Non-profit organizations and institutions; State and local governments and their agencies; and authorized Federal institutions. As stated in the NICHD Centers Guidelines, the NICHD will not support more than one NICHD center (P30, P50) in a given department or specialty unit.

#### MECHANISM, SCOPE AND SCALE OF SUPPORT

Mental Retardation Research Center grants will be supported through the customary grant-in-aid mechanism. Review of applications and management of grants will be subject to applicable policies for NIH research center grants.

Awards will be made for a period of five years. To be eligible for award as an MRRC, the Center must provide core support for a minimum of 10 projects funded from non-university sources.

The total direct costs requested for the first year may not exceed \$500,000 for new grants and not more than 104 percent of the level recommended for the previous budget period of a competing renewal grant. Budgets of applications for new and renewal support will be stringently reviewed within these guidelines. Applications with budget request exceeding these guidelines will be administratively withdrawn by NICHD and returned to the applicant.

#### ESTIMATED NUMBER OF AWARDS

This is the third of a series of annual announcements. Plans are to make three awards in fiscal year 1990.

#### WHERE COMPLETE RFA MAY BE OBTAINED

A complete Request for Applications entitled "Mental Retardation Research Centers (P30)" and guidelines concerning "NICHD Research Centers Programs-Center Core Grants (P30)" may be obtained from:

Mental Retardation and Developmental Disabilities Branch  
Center for Research for Mothers and Children, NICHD  
Executive Plaza North, Rm. 631  
6130 Executive Boulevard  
Bethesda, Maryland 20892  
Telephone: (301) 496-1383

This program is described in the Catalog of Federal Domestic Assistance No. 13.865 Research for Mothers and Children. Awards will be made under the authority of the Public Health Service Act, Section 301 (42 USC241) and administered under PHS grant policies and Federal Regulations 42 CFR Part 52



and 45 CFR Part 74. This program is not subject to review by a Health Systems Agency.

## ONGOING PROGRAM ANNOUNCEMENTS

### STUDIES OF DIABETES MELLITUS AND RELATED PROBLEMS

P.T. 34, FF; K.W. 0715075, 0710030, 0755030, 0765033, 0785055, 0745065

National Institute of Diabetes and Digestive and Kidney Diseases  
National Institute of Aging  
National Institute of Allergy and Infectious Diseases  
National Institute of Child Health and Human Development  
National Institute of Dental Research  
National Institute of Environmental Health Sciences  
National Eye Institute  
National Heart, Lung, and Blood Institute  
National Institute of Mental Health  
National Institute of Neurological Disorders and Stroke  
National Center for Nursing Research

The above-named Institutes of the National Institutes of Health (NIH) and Alcohol, Drug Abuse and Mental Health Administration (ADAMHA), invite applications for research grants in the general area of diabetes mellitus and related problems. Investigators working in other areas of research are particularly encouraged to develop diabetes-related projects either independently or, where appropriate, in collaboration with individuals currently engaged in diabetes research. Biomedical and behavioral research studies related to diabetes in high risk minority populations, including Blacks, Hispanics, Native Americans, and Asian/Pacific Islanders, are also particularly encouraged.

#### I. PROGRAM SPECIFICATIONS

##### A. Program Objectives

Diabetes mellitus and its complications are major public health problems in the United States today. The NIH and other organizations have attempted to encourage research into the cause, cure and prevention of diabetes and its related endocrinologic and metabolic disorders during the past several years. The National Diabetes Advisory Board has recently concluded an extensive updating of the original Long-Range Plan to Combat Diabetes Mellitus. It is anticipated that The National Long-Range Plan to Combat Diabetes, 1987 (NIH publication No. 87-1587), will guide research efforts for the next 10 years. The Juvenile Diabetes Foundation International Second World Conference on Diabetes Research: New Frontiers 1988 further emphasized the need to expand the diabetes research network. Both of these documents have delineated current opportunities and needs in various areas of diabetes research and have also recommended priorities for the future.

##### B. Research Scope

The emphasis of this solicitation is upon the research needs outlined in the National Long-Range Plan to Combat Diabetes, 1987, and the summary report of the Second World Conference on Diabetes Research.

The areas of research recommended include:

- o Etiology and pathogenesis of IDDM
- o Etiology and pathogenesis of NIDDM
- o Complications of:
  - The Vasculature;
  - The Eye;
  - The Nervous System;
  - The Kidney;
  - The Mouth and Teeth; and
  - Pregnancy and Fetal Development
- o Hormone Action
- o Transplantation
- o Insulin Delivery Systems
- o Epidemiology
- o Aging, Glucose Intolerance, and NIDDM
- o Insulin Synthesis and Secretion
- o Pharmaceutical Agents
- o Hypertension, Diabetes, and the Kidney

These recommendations are not necessarily all inclusive and any new ideas with creditable hypotheses that would appropriately fall within the scope of diabetes-related research could be the basis for an application.

Copies of The National Long-Range Plan to Combat Diabetes, 1987, can be obtained upon request from:

Diabetes Research Program  
Westwood Building, Room 622  
National Institute of Diabetes and  
Digestive and Kidney Diseases  
National Institutes of Health  
Bethesda, Maryland 20892

### C. Mechanism of Support

The mechanisms of support for this program will include the individual research project grant (R01), the First Independent Research Support and Transition (FIRST) Award (R29), research program project grant (P01), the National Research Service Award (NRSA), and career awards such as the Clinical Investigator Awards and Physician Scientist Awards. Policies that govern research grant programs of the National Institutes of Health will prevail for the R01 and R29 awards. Applicants are encouraged to contact the appropriate Institute to determine the availability and the appropriate administrative procedures with regard to submission of a P01 application or a career award. The award of grants pursuant to this announcement is contingent upon receipt of highly original proposals of high scientific merit, responsiveness to this announcement, relevance to the program, and the availability of appropriated funds.

## II. METHOD AND CRITERIA OF REVIEW

### A. Assignment of Applications

Applications will be received by the NIH Division of Research Grants (DRG), referred to an appropriate Study Section for scientific merit review, and assigned to individual Institutes for possible funding. Referral decisions will be governed by normal programmatic considerations as specified in the Referral Guidelines of the NIH, DRG.

### B. Review Procedures

Applications in response to this solicitation will be reviewed on a nationwide basis in competition with other research grant applications and in accord with the usual NIH peer review procedures. Applications will first be reviewed for scientific and technical merit by a review group composed mostly of non-Federal scientific consultants (Study Section), and then by the National Advisory Council of the appropriate Institute(s). The review criteria customarily employed by the NIH for regular research grant applications will prevail.

## III. METHOD OF APPLYING

Applications should be submitted on PHS Form 398, which is available in the business or grants and contracts office at most academic and research institutions. On the face page of PHS Form 398, indicate that the application was prepared in response to the Program Announcement entitled "Studies of Diabetes Mellitus and Related Problems". The original and six copies of the application should be sent or delivered to:

Application Receipt  
Division of Research Grants  
National Institutes of Health  
Westwood Building, Room 240  
Bethesda, Maryland 20892\*\*

Applications will be accepted in accordance with the usual NIH receipt dates for applications defined in the NIH Guide for Grants and Contracts, Vol. 17, No. 14, April 15, 1988, page 1.

For further information, investigators may contact one or more of the following individuals:

| B/I/D | CONTACT                | BUILDING              | ROOM   | TELEPHONE         |
|-------|------------------------|-----------------------|--------|-------------------|
| NIDDK | Dr. Joan T. Harmon     | Westwood              | 622    | 496-7731          |
| NIA   | Dr. Evan C. Hadley     | 31                    | 5C27   | 496-6761          |
| NIAID | Dr. Daniel I. Mullally | Westwood              | 7A05   | 496-7375          |
| NICHD | Dr. Gilman D. Grave    | Executive Plaza North | 637    | 496-5593          |
| NIDR  | Dr. Anthony Rizzo      | Westwood              | 509    | 496-7784          |
| NIEHS | Dr. Thor Fjellstedt*   | 3                     | 304A   | (919)<br>541-0131 |
| NEI   | Dr. Jack A. McLaughlin | 31                    | 6A51   | 496-5983          |
| NHLBI | Dr. Barbara Packard    | 31                    | 5A03   | 496-6331          |
| NIMH  | Dr. Susan Blumenthal** | Parklawn              | 11C-06 | 443-4337          |
| NINDS | Dr. Paul L. Nichols    | Federal               | 814    | 496-5821          |
| NCNR  | Dr. Patricia McCormick | 31                    | B1C02  | 496-0526          |

\* Mailing address for Dr. Thor Fjellstedt is P.O. Box 12233, Research Triangle Park, North Carolina 27709

\*\* Mailing address for Dr. Susan Blumenthal is 5600 Fishers Lane, Rockville, Maryland 20857

For all others, the mailing address is: Bethesda, Maryland 20892  
All Maryland telephone numbers are in area code 301.

ETHICAL AND LEGAL STUDIES RELATING TO THE PROGRAM TO MAP AND SEQUENCE THE HUMAN GENOME

P.T. 34; K.W. 0783010, 1014004, 1215018, 0755045

Office of Human Genome Research  
National Institute of General Medical Sciences

INTRODUCTION

The National Institutes of Health (NIH), under the auspices of the Human Genome Project, is interested in receiving applications for research grants or conference grants addressing the ethical, social, and legal issues that may arise from the application of knowledge gained as a result of the Human Genome initiative.

BACKGROUND

The plan to map and sequence the entire human genome is predicated on belief in the immense potential benefit to humankind of the information to be gained through advances in medicine, biological research and the biotechnology industry. While the prospect of benefits is clear, many questions arise regarding the best way to ensure that the information is used in the most beneficial and responsible manner. The NIH is interested in examining these questions and stimulating public discussion in order to facilitate an understanding of the issues and the development of public policy and education, regarding the use of knowledge gained from the Human Genome initiative.

RESEARCH SCOPE

Applications may be for support of conferences or workshops, for scholarly research and writing projects, or for the development of materials to educate the public about the underlying genetic principles and the ethical, legal, and social issues arising from the Human Genome Program. Projects should address questions such as:

- o What are the concerns to society and to individuals arising from the Human Genome Project?
- o What specific questions in the broad area of ethics and law need to be addressed?
- o What can we learn from precedents?
- o What are possible policy alternatives and the pros and cons of each?
- o How can we inform and involve the public and stimulate broad discussion?

It is essential that applicants address the full range of views on each issue covered in a responsible, scholarly, and balanced manner, with the goal of advancing scholarship, achieving better understanding, or working towards consensus or useful recommendations. While these questions are not intended to be limiting, projects should be relevant to issues raised by the scientific developments entailed in acquiring the complete DNA sequences of the human and other organisms.

#### MECHANISMS OF SUPPORT

Support for this program will be through research grants (R01) or conference grants (R13). Collaborative projects between biomedical scientists and ethicists, legal scholars, educators, and social scientists are encouraged.

#### APPLICATION AND REVIEW PROCEDURE

Applications received in response to this announcement will be reviewed by a special study section selected for expertise in the appropriate areas of ethics, law, medicine, biology, social science, and public education. Criteria for evaluating the applications will include:

- o Potential for producing new knowledge or new understanding.
- o Balance and breadth of approach.
- o Potential impact of the proposed project in terms of scholarly or lay audience reached.
- o Experience and expertise of the applicants.
- o Novelty of the project (i.e. does not duplicate other efforts).

We are interested in attracting individuals with varied backgrounds to consider the prospects of the Human Genome Project. However, individuals must show that they either have or will obtain a sound working knowledge of the underlying biology so that relevance to the Human Genome Project can be assured. Applicants are strongly urged to contact NIH staff to discuss their plans before submitting an application.

Although there is no set-aside of funds for this area of research, the Human Genome Project is prepared to spend 1 to 3 percent of its resources in the area, provided a sufficient number of high quality applications is received.

#### METHOD OF APPLYING

Applications should be submitted on the new form PHS 398 (rev. 9/86). Application kits are available at most institutional business offices and from:

Office of Grants Inquiries  
Division of Research Grants  
Westwood Building, Room 449  
National Institutes of Health  
Bethesda, Maryland 20892

Applications will be accepted in accordance with the usual NIH receipt dates for new applications-- October 1, February 1, and June 1. It is essential that applicants type "Ethical and Legal studies relating to the program to map and sequence the human genome," in item 2 on the face page of the application form. The original and six copies of the application should be submitted to the following office.

Application Receipt Office  
Division of Research Grants  
Westwood Building, Room 240  
National Institutes of Health  
Bethesda, Maryland 20892\*\*

The conventional presentation for grant applications should be utilized (see instructions in application).

Applications will be assigned to the most appropriate NIH Institute, depending on subject matter. Funding decisions will be based on recommendations of the initial review groups and the respective Institute's Advisory Council regarding scientific merit and program relevance and on the availability of funds.

## INQUIRIES

Depending on the nature of the application, applications may be assigned to one of several NIH Institutes. Applicants are advised to call prior to submitting an application. Calls will be referred to staff of one of the NIH Institutes when appropriate. Please contact:

Dr. Elke Jordan or Dr. Mark Guyer  
Office of Human Genome Research  
Shannon Building, Room 203  
National Institutes of Health  
Bethesda, Maryland 20892  
Telephone: (301) 496-0844

## SPECIAL EMPHASIS RESEARCH CAREER AWARD (SERCA) IN LABORATORY ANIMAL SCIENCE

P.T. 34; K.W. 0201058, 0710030

Division of Research Resources

Application Receipt Date: June 1, 1989

### BACKGROUND AND OBJECTIVES

The SERCA in Laboratory Animal Science, sponsored by the Laboratory Animal Sciences Program, Animal Resources Program (ARP), DRR, is meant to provide opportunities for veterinarians, trained in laboratory animal science, to develop greater research capabilities in broad fundamental and clinical disciplines. A multi-disciplinary approach to research opportunities in laboratory animal science is emphasized.

This announcement is a modification of one issued previously. It is designed to clarify the eligibility requirements and give notice of a single receipt date.

### ELIGIBILITY

Candidates for a SERCA in Laboratory Animal Science must: 1) hold a doctorate of veterinary medicine (or equivalent) degree from an accredited institution which is recognized by the American Veterinary Medical Association (AVMA) and be a U.S. citizen, non-citizen U.S. national, or a non-citizen who has been admitted to the U.S. for permanent residence at the time of the application; 2) possess a minimum of two years post-DVM research experience which includes at least one year of training and/or experience in clinical laboratory animal medicine or comparative pathology. Additional training, as well as board certification in laboratory animal medicine, are desirable; 3) be nominated by an institution on the basis of personal qualifications, interests, accomplishments, motivation and potential for a research career; 4) have an advisor who is a recognized senior investigator in the field of the proposed study and with an academic appointment at the parent institution; and, 5) agree to inform the ARP staff of academic status, publications, and grants or contracts received which are related to the research focus of this award for a period of five years after completion of the SERCA. This should be done on an annual basis. Prospective applicants are encouraged to discuss their potential eligibility for the SERCA program with ARP staff before preparing an application.

### PROVISIONS OF THE AWARD

The SERCA provides five years of support for a multidisciplinary approach to research investigation and development. Awards are made on an annual basis, and are subject to the availability of funds. During the first three years of SERCA support, the awardee is expected to develop capabilities in fundamental, applied and/or clinical research related to basic and clinical science aspects of laboratory animal science.

Prior to the completion of the third year of SERCA support, the awardee should submit an application for the final two years (years 04 and 05) of the award directly to the ARP, DRR, NIH. This application should include detailed plans for an expanded research program to be conducted during the last two years of the award. This research outline, of the awardee's own design, must relate to basic and/or clinical science aspects of laboratory animal science. The proposal will be evaluated for scientific merit by outside peer reviewers. This scientific evaluation, along with the overall progress made during the initial three years of support, will be considered by ARP staff in determining the candidate's eligibility for funding for the last two years. If the

proposal is not favorably recommended, the continuation of SERCA support will be reconsidered.

Allowable costs may include:

1. Awardee's Salary: A maximum of \$40,000 for salary support may be requested. Institutional supplementation is permitted but not by funds from other Federal sources. Fringe benefits will be provided.
2. Research Support: This support is limited to \$8,000/year for the initial three years and \$15,000/year for the last two years. It may include: specialized research equipment, consumable supplies, and other costs which are essential to the proposed program and tuition for training courses.
3. Indirect Costs: Funds may be requested for reimbursement of institutional indirect costs at a rate up to, but not to exceed, 8 percent of the total allowable direct costs of the award.

#### APPLICATION

JUNE 1 WILL BE THE ONLY APPLICATION RECEIPT DATE. Applications must be submitted on Form PHS-398 (Rev. 9-86). This form is available from the Business or Research Offices at most academic institutions. In completing the application, use the instructions in Form PHS-398 as a guideline. For information on those items which require additional explanation, a detailed description of the SERCA should be obtained from the Director, Laboratory Animal Sciences Program, at the address listed below. The completed application materials consisting of the original application, six complete copies of the application and four copies of each reprint (not more than five reprints), should be mailed to:

Division of Research Grants  
National Institutes of Health  
Westwood Building, Room 240  
Bethesda, Maryland 20892\*\*

The initial review of SERCA applications for scientific and technical merit will be made by the Animal Resources Review Committee, DRR. Particular attention will be given to the candidate's prior training and experience, career potential, research career development plans, proposed research, environment, reference reports, and other relevant information. The application must clearly demonstrate that the award will enhance the candidate's development as an independent investigator. Following later consideration and approval by the National Advisory Research Resources Council, the applications will be considered for funding on the basis of the overall merit of the proposal as determined by the review committee, relevance of the proposal to the research objectives of the ARP, DRR, and the availability of funds. The earliest award date will be April 1, 1990. Approximately 35-40 awards are expected to be made under this announcement.

Questions concerning this SERCA program should be addressed to:

Director  
Laboratory Animal Sciences Program, ARP  
Division of Research Resources  
National Institutes of Health  
Westwood Building, Room 853  
5333 Westbard Avenue  
Bethesda, Maryland 20892  
Telephone: (301) 496-5175

A MORE COMPLETE DESCRIPTION AND GUIDELINES FOR APPLYING FOR A SERCA IN LABORATORY ANIMAL MEDICINE MAY BE OBTAINED FROM THE DIVISION OF RESEARCH RESOURCES AT THE ABOVE ADDRESS.

#### EPIDEMIOLOGICAL STUDIES OF PERSONS WITH MENTAL DISORDERS THAT CO-OCCUR WITH ALCOHOL AND/OR DRUG ABUSE DISORDERS

P.T. 34; K.W. 0715129, 0404003, 0404009, 0785055

National Institute of Mental Health  
National Institute on Alcohol Abuse and Alcoholism  
National Institute on Drug Abuse

The National Institute of Mental Health (NIMH), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the National Institute on Drug Abuse (NIDA) seek applications for research into the epidemiology of mental

disorders co-occurring with alcohol and/or drug abuse disorders among a nationally representative sample of adults ages 15-54 years. The administration of a structured psychiatric interview instrument appropriate for epidemiological studies will be required. Support may be requested through applications for a regular research grant, Small Grant, First Independent Research Support and Transition (FIRST) Award, ADAMHA Scientist Development Award, and ADAMHA Scientist Development Award for Clinicians.

Applicants may request support for up to 5 years (with the exception of small grant applications, which are limited to 2 years). It is anticipated that up to \$2.5 million will be available to support new grant awards under this announcement during fiscal year 1989. Funding in future years will depend on annual appropriations.

NIMH, NIAAA and NIDA will accept applications on the one-time special receipt date of May 15, 1989; thereafter, dates for the submission of applications and review cycles will be according to the usual Public Health Service schedule for new applications. Potential applicants are encouraged to discuss their planned research with one of the staff listed below before submitting a formal grant application:

**National Institute of Mental Health**

Mary E. Farmer, M.D., M.P.H.  
Division of Clinical Research  
NIMH, Room 10C-05  
Telephone: (301) 443-3774

**National Institute on Alcohol Abuse and Alcoholism**

Tom Harford, Ph.D.  
Director, Division of Biometry and Epidemiology  
NIAAA, Room 14C-26  
Telephone: (301) 443-3306

**National Institute on Drug Abuse**

Edgar H. Adams, Sc.D.  
Director, Division of Epidemiology and Statistical Analysis  
NIDA, Room 11A-55  
Telephone: (301) 443-6504

The address for all of the above is:

5600 Fishers Lane  
Rockville, Maryland 20857

**PREVENTIVE PULMONARY ACADEMIC AWARD**

P.T. 34; K.W. 0715165, 0745027, 0404019

National Heart, Lung, and Blood Institute

Application Receipt Date: July 24, 1989

The Division of Lung Diseases (DLD), National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), announces the fourth competition for the Preventive Pulmonary Academic Award. The dual objectives of this award are to encourage: (1) the development and/or improvement of the teaching of prevention of respiratory diseases in both undergraduate and graduate medical training, and (2) research in methods for the prevention of lung diseases. It is anticipated that approximately four awards will be made.

**ELIGIBILITY:**

A candidate for this award must be a physician, with both clinical and academic skills, who is an established faculty member in an accredited academic medical institution. The candidate must commit a minimum of 50 percent effort to the program. An institution sponsoring a candidate for the award must show commitment to developing and improving the teaching of prevention of lung diseases, identifying educational resources, allowing time for the awardee to acquire educational skills, and providing facilities for research.

**PROVISION OF THE AWARD:**

This award will provide up to \$40,000 salary support for the awardee, plus appropriate fringe benefits and up to \$20,000 a year for related research support. In addition, each awardee may apply for up to \$10,000 for technical assistance (see pages 4-5 of the Guidelines for this award); the use of these funds will be coordinated among other awardees and must be approved by the Division of Lung Diseases, NHLBI. Funds will be provided for the reimbursement of actual indirect costs at a rate up to, but not exceeding, eight percent of the total direct costs of each award, exclusive of tuition, fees, and expenditures for equipment.

**CURRICULA DEVELOPMENT:**

Curricula topics which might be addressed include identification of and interventions with populations at risk for respiratory diseases, prevention of respiratory infections, methods for encouraging smoking cessation, and respiratory disturbances during sleep.

**RESEARCH PLANS:**

Research topics might include methods of intervening with populations at risk, methods for teaching prevention, smoking cessation, self-management of chronic lung diseases, and cost effectiveness of preventive measures. Educational and/or behavioral approaches to the prevention of respiratory diseases and/or the promotion of lung health are encouraged.

**LETTER OF INTENT:**

Prospective applicants are asked to submit a one-page letter of intent. Such letters are requested for the purpose of obtaining an indication of the number of applications to be received, and therefore the NHLBI usually does not acknowledge their receipt. A letter of intent is not binding, nor is it a necessary requirement for application. This letter should be received no later than June 16, 1989, and sent to:

C. James Scheirer, Ph.D.  
Contract, Clinical Trials, and  
Training Review Section  
Review Branch  
Division of Extramural Affairs, NHLBI  
Westwood Building, Room 648  
Bethesda, Maryland 20892

**TIMETABLE:**

Letter of Intent: June 16, 1989

Application Receipt Date: July 24, 1989

Technical Review (which may include interviews conducted by the Division of Extramural Affairs in Bethesda, Maryland, with applicants): October/November 1989

Advisory Council Review: February 8-9, 1990

Award Date: June 1, 1990

Requests for Guidelines for the Preventive Pulmonary Academic Award (Revision 1/89) should be directed to:

Joan M. Wolle, Ph.D., M.P.H.  
Health Scientist Administrator  
Prevention, Education, and Research Training Branch  
Division of Lung Diseases, NHLBI  
Westwood Building, Room 640  
Bethesda, Maryland 20892  
Telephone: (301) 496-7668

This program is described in the Catalog of Federal Domestic Assistance number 13.838. Awards will be made under the authority of the Public Health Service Act, Title III, Section 301 (Public Law 78-410, as amended; 42 USC 241) and administered under PHS grant policies and Federal Regulations most specifically 42 CFR Part 52 and 45 CFR Part 74. This program is not subject to intergovernmental review requirements of Executive Order 12372 or to Health Systems Agency Review.