

NIH GUIDE

**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.

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DATED ANNOUNCEMENTS (RFPs AND RFAs)

TRIAL OF CALCIUM SUPPLEMENTATION IN PREGNANCY FOR THE PREVENTION OF PREECLAMPSIA AND PRETERM BIRTH

RF. AVAILABLE: NICHD-PRP-90-06

P.T. 34; K.W. 0715160, 0745027, 0710095, 0715115, 0755015

National Institute of Child Health and Human Development

The National Institute of Child Health and Human Development has a requirement for a clinical trial to determine if calcium supplementation during pregnancy has a preventive effect on the incidence of pregnancy-induced hypertension (PIH) and preterm birth. This project will consist of a double-blind randomized trial and is to be carried out by 2-4 clinical centers and a data coordinating center. An attempt will be made to recruit at least 5,400 eligible women so that there will be a final study sample of at least 3,600. Offerors will be expected to include plans for the recruitment of eligible minority women for this study. The data necessary for this project will be collected through questionnaires, interviews, and clinical and laboratory examinations.

This announcement for the clinical centers to perform the trials is a new solicitation. Solicitation for proposals for the data coordinating center for this project will be announced under a different Request for Proposals (RFP). This issuance of the clinical trial RFP will be on or about November 6, 1989, and the proposals are due by 4:00 pm (Local Time), January 10, 1990. Those organizations desiring a copy of the above RFP may send their written request with two self-addressed mailing labels to:

Mrs. Lynn Salo, Contract Specialist
NICHD, OGC, CMS
Executive Plaza North, Room 515
9000 Rockville Pike
Bethesda, Maryland 20892

All responsible sources may submit a proposal for consideration. This advertisement does not commit the Government to award a contract.

THE DATA COORDINATING CENTER FOR THE NICHD TRIAL OF CALCIUM SUPPLEMENTATION IN PREGNANCY FOR THE PREVENTION OF PREECLAMPSIA AND PRETERM BIRTH

RFP AVAILABLE: NICHD-PRP-90-07

P.T. 34; K.W. 0715160, 0745027, 0710095, 0715115, 0755015, 0755018

National Institute of Child Health and Human Development

The National Institute of Child Health and Human Development is seeking organizations that are small businesses to coordinate a clinical trial of Calcium Supplementation in Pregnancy for the Prevention of Preeclampsia and Preterm Birth. This project consists of a double-blind, randomized trial and is to be carried out by 2-4 clinical centers and a data coordinating center. An attempt will be made to recruit at least 5,400 eligible women so that there will be a final study sample of at least 3,600. The Data Coordinating Center must be capable of providing daily assistance to the clinical investigators at the data collection sites, insuring that the protocol is followed, assuring the quality of data collected, and providing feedback to the steering committee or the Project Officer on study progress within a short turn around time.

This announcement for the Data Coordinating Center is a new solicitation. The clinical trials project will be announced under a different Request for Proposals (RFP). The issuance of the Data Coordinating Center RFP will be on or about November 6, 1989, and the proposals are due by 4:00 pm (Local Time), January 10, 1990. Those organizations desiring a copy of the above referenced RFP may send their written request with two self-addressed mailing labels to:

Mrs. Lynn Salo, Contract Specialist
NICHD, OGC, CMS
Executive Plaza North, Room 515
9000 Rockville Pike
Bethesda, Maryland 20892

(THIS IS A 100% SET-ASIDE FOR SMALL BUSINESS, SIC 7379-- Computer related services not otherwise classified.) All responsible small business sources may submit a proposal which will be considered. This advertisement does not commit the Government to award a contract.

IN VIVO TEST SYSTEMS FOR COMBINED CHEMOTHERAPIES AGAINST HIV

RFP AVAILABLE: NIH-NIAID-DAIDS-90-24

P.T. 34; K.W. 0745005, 0755010, 0715008, 0755060

National Institute of Allergy and Infectious Diseases

The Developmental Therapeutics Branch of the National Institute of Allergy and Infectious Diseases (NIAID), NIH, has a requirement for contract assistance to provide in vivo test systems for screening combinations of therapies against HIV. Evaluation systems may use HIV or other animal retrovirus systems. These model systems will be used by the Division of AIDS of the NIAID in its efforts to assist in the development of anti-infective drugs and therapies, to better understand interactions between therapeutic agents (synergy, adverse effect, etc.), and to optimize administration of combined therapies (route, schedule, etc.). The model systems to be investigated should reflect the clinical, immunological and virological aspects of HIV infection in humans. It is anticipated that this information will permit the improved treatment of HIV infections in humans.

This is an announcement for an anticipated Request for Proposals (RFP). RFP-NIH-NIAID-DAIDS-90-24 shall be issued on or about November 3, 1989, with a closing date tentatively set for January 11, 1990. The Institute expects to make approximately two awards from this solicitation.

Requests for the RFP should be directed in writing to:

Mary Anne Glitz
Contract Management Branch
Control Data Building, 6003 Executive Blvd., Room 214P
National Institute of Allergy and Infectious Diseases
National Institutes of Health
Bethesda, Maryland 20892
Telephone: (301) 496-1642

To receive a copy of the RFP, please supply this office with 2 self-addressed mailing labels. All inquiries must be in writing. All responsible sources may submit a proposal which will be considered.

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

IN VITRO TEST SYSTEMS FOR COMBINED CHEMOTHERAPIES AGAINST HIV

RFP AVAILABLE: NIH-NIAID-DAIDS-90-23

P.T. 34; K.W. 0745005, 0755010, 0715008, 0755060

National Institute of Allergy and Infectious Diseases

The Developmental Therapeutics Branch of the National Institute of Allergy and Infectious Diseases (NIAID), NIH, has a requirement for contract assistance to provide in vitro test systems for screening combinations of therapies against HIV. Evaluation systems must be a standardized cell-based assay using HIV infection of t-cell lines, macrophages and fresh peripheral blood lymphocytes; evaluations must include efficacy and cytotoxicity measures. Additional evaluations include cell uptake, mechanisms of antagonism or synergy, cellular metabolism, immunological effects, and efficacy against drug-resistant strains of virus. These model systems will be used by the Division of AIDS of the NIAID in its efforts to assist in the development of anti-infective drugs and therapies, to better understand interactions between therapeutic agents (synergy, adverse effect, etc.), and to understand mechanisms of action of therapeutic agents. The model systems should be relevant to therapies directed against HIV infection in humans and provide information that will permit the improved treatment of patients infected with HIV.

This is an announcement for an anticipated Request for Proposal (RFP). RFP-NIH-NIAID-DAIDS-90-23 will be issued on or about November 3, 1989, with a closing date tentatively set for January 10, 1990. The Institute expects to make approximately three awards from this solicitation.

Requests for the RFP shall be directed in writing to:

Mary Anne Glitz
Contract Management Branch
Control Data Building, 6003 Executive Blvd., Room 214P
National Institute of Allergy and Infectious Diseases
National Institutes of Health
Bethesda, Maryland 20892
Telephone: (301) 496-1642

To receive a copy of the RFP, please supply this office with 2 self-addressed mailing labels. All inquiries must be in writing. All responsible sources may submit a proposal which will be considered.

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

NOTICE - CLAUDE D. PEPPER GERIATRIC RESEARCH AND TRAINING CENTERS

P.T. 04, 44; K.W. 0710010, 0720005, 0710030

RFA: AG-89-06

Application Receipt Date: February 15, 1990

National Institute on Aging

The National Institute on Aging's Geriatric Research and Training Centers grant program (P30), announced in the NIH Guide for Grants and Contracts, Vol. 18, No. 27, August 11, 1989, is retitled the Claude D. Pepper Geriatric Research and Training Centers grant program as a tribute to the memory of Senator Pepper.

A copy of the complete Request for Applications and the Geriatric Research and Training Centers Guidelines may be obtained from:

Stanley L. Slater, M.D.
Director, Geriatric Research and Training Program
Geriatrics Branch
National Institute on Aging
Building 31, Room 5C27
9000 Rockville Pike
Bethesda, Maryland 20892
Telephone: (301) 496-6761

ONGOING PROGRAM ANNOUNCEMENTS

INVESTIGATIONS INTO METHODS THAT REPLACE OR REDUCE VERTEBRATE ANIMALS USED IN RESEARCH, OR LESSEN THEIR PAIN AND DISTRESS

P.T. 34; K.W. 0755020, 0780010, 0780015, 0780020

National Institutes of Health
Alcohol, Drug Abuse, and Mental Health Administration

Application Receipt Dates: February 1, June 1, October 1

BACKGROUND

The National Institutes of Health (NIH) and the Alcohol, Drug Abuse, and Mental Health Administration invites grant applications for investigations into research methods that do not use animals, use fewer animals, or that produce less pain and distress in animals used for research.

Biomedical research will be most effectively advanced by the continuous application of a combination of models in a complementary and interactive manner, rather than by concentrating on any one or a few kinds of model systems. Each system, whether mammalian or nonmammalian, has its own unique advantages and limitations. Because of a continued, wide interest in the development of nonmammalian models for biomedical research, this Program Announcement, issued in April 1988, is being reissued to encourage applications in this area.

Proposals for the study of invertebrates, lower vertebrates, microorganisms, cell and tissue culture systems, or mathematical approaches should be regarded as having the same potential relevance to biomedical research as proposals for

work on systems that are phylogenetically more closely related to humans. Experience indicates that information yielded by such systems can increase substantially the knowledge of human function.

Animals are essential to the advancement of knowledge in the biomedical sciences. Nonmammalian research methods can, and do, provide additional opportunities to advance our understanding of biological processes. For example, biological models or model systems derived from, or consisting of, nonmammalian organisms, or cell and tissue culture systems, may provide valuable insights into mechanisms of biological functions that are more difficult to obtain from studies of whole vertebrate animals. Such technologies often permit studies that otherwise would be impossible to perform. Mathematical modeling is another useful investigational strategy when closely coupled to biological experimentation, and there are opportunities for mathematical modeling in many areas of biomedical research. Non-invasive experimental techniques, such as those commonly used for human subjects, which permit studies of biological processes in intact animals, can reduce the number of experimental animals since multi-step phenomena can be observed in a single subject.

Many strategies are currently in place to reduce the pain and distress of laboratory animals; however, new methods and technologies are encouraged.

RESEARCH GOALS

Grant applications are requested for projects that will increase the extent and depth of knowledge needed to develop methods of biomedical research that:

- o do not require the use of vertebrate animals
- o reduce the number of vertebrate animals used in research
- o produce less pain and distress in vertebrate animals than methods currently used
- o validate or demonstrate the reliability of non-animal methods
- o expand non-vertebrate animal research methods that have been found valid and reliable

MECHANISM OF SUPPORT

The support mechanism for this program will be the traditional investigator-initiated research project grant. Under this mechanism, the applicant will plan, direct, and carry out the research program. The project period during which the research will be conducted should adequately reflect the time required to accomplish the stated goals and be consistent with the policy for grant support. Support will be provided for up to five years (renewable for subsequent periods) subject to the availability of funds and progress achieved.

Research grant applications may be submitted by both nonprofit and profit-making organizations and institutions, State or local governments and their agencies, and eligible agencies of the Federal Government.

APPLICATIONS AND REVIEW PROCEDURES

Applications in response to this solicitation will be appropriately peer reviewed for scientific and technical merit. They will be judged on the overall scientific merit of the proposed research, potential significance of the research findings, adequacy of methodology, availability of necessary facilities, and the qualifications of the research team. A secondary review for policy and program relevance to the research needs and missions of the Bureau, Institute, or Division to which the proposal is assigned will be made by the respective National Advisory Councils.

Applications should be completed using PHS Form 398, "Application for Public Health Service Grant". Send the original and six copies of the application to the Division of Research Grants, NIH, as described in PHS Form 398.

It is important that applicants enter "NONMAMMALIAN RESEARCH METHODS" on line 2 for the response to specific program announcement.

Applicants are encouraged to contact Dr. Ramm at the address below prior to submitting an application:

Dr. Louise E. Ramm
Biological Models and Materials Resources Program, DRR/NIH
Westwood Building, Room 853
5333 Westbard Avenue
Bethesda, Maryland 20892

FOR FURTHER INFORMATION CONTACT:

Division of Research Resources
Dr. Louise E. Ramm
Biological Models and Materials Resources Program
Westwood Building, Room 853
Bethesda, Maryland 20892
Telephone: (301) 496-5175

National Cancer Institute
Dr. J.A.R. Mead
Chief, Grants and Contracts Operations Branch
Developmental Therapeutics Program
Division of Cancer Treatment
Executive Plaza North, Room 832
Bethesda, Maryland 20892
Telephone: (301) 496-8783

National Center for Nursing Research
Dr. Jan Heinrich
Director, Extramural Programs
Building 38A, Room 2BE17
Bethesda, Maryland 20892
Telephone: (301) 496-0523

National Eye Institute
Dr. Michael Oberdorfer
Program Director, Amblyopia and Visual Processing
Building 31, Room 6A47
Bethesda, Maryland 20892
Telephone: (301) 496-5301

National Institute of Allergy and Infectious Diseases
Dr. Luz A. Froehlich
Deputy Director, Extramural Activities Program
Westwood Building, Room 703
Bethesda, Maryland 20892
Telephone: (301) 496-7688

National Institute on Aging
Dr. DeWitt Hazzard
Head, Resource Development
Biomedical Research and Clinical Medicine
Building 31, Room 5C21
Bethesda, Maryland 20892
Telephone: (301) 496-6402

National Institute of Arthritis and Musculoskeletal and Skin Diseases
Dr. Steven J. Hausman
Deputy Director, Extramural Program
Westwood Building, Room 403
Bethesda, Maryland 20892
Telephone: (301) 496-7495

National Institute of Child Health and Human Development
Ms. Hildegard Topper
Special Assistant
Office of the Director
Building 31, Room 2A04
Bethesda, Maryland 20892
Telephone: (301) 496-0104

National Institute of Diabetes and Digestive and Kidney Diseases
Dr. Walter Stolz
Director, Division of Extramural Activities
Westwood Building, Room 657
Bethesda, Maryland 20892
Telephone: (301) 496-7277

National Institute of Dental Research
Dr. G. Wayne Wray
Deputy Director, Extramural Program
Westwood Building, Room 502
Bethesda, Maryland 20892
Telephone: (301) 496-7748

National Institute of Environmental Health Sciences
Dr. Jerry Robinson
Scientific Programs Branch
Division of Extramural Research and Training
P.O. Box 12233
Research Triangle Park, North Carolina 27729
Telephone: (919) 541-7724 or
(FTS NUMBER) 8-629-7724

National Institute of General Medical Sciences
Dr. David Wolff
Deputy Associate Director for Program Activities
Westwood Building, Room 955
Bethesda, Maryland 20892
Telephone: (301) 496-7063

National Heart, Lung, and Blood Institute
Dr. Henry G. Roscoe
Deputy Director, Division of Extramural Affairs
Westwood Building, Room 7A17
Bethesda, Maryland 20892
Telephone: (301) 496-7225

National Institute of Neurological Disorders and Stroke
Dr. Eugene Streicher
Director, Division of Fundamental Neurosciences
Federal Building, Room 916
Bethesda, Maryland 20892
Telephone: (301) 496-5745

National Institute on Alcohol Abuse and Alcoholism
Dr. Helen Chao
Acting Deputy Director, Division of Basic Research
Parklawn Building, Room 14C-10
5600 Fishers Lane
Rockville, Maryland 20857
Telephone: (301) 443-2530

National Institute on Drug Abuse
Dr. Roger Brown
Chief, Neuroscience Research Branch
Division of Preclinical Research
Parklawn Building, Room 10A-31
5600 Fishers Lane
Rockville, Maryland 20857
Telephone: (301) 443-6975

National Institute of Mental Health
Dr. Ronald Schoenfeld
Acting Chief, Neurosciences Research Branch
5600 Fishers Lane, Room 11-105
Rockville, Maryland 20857
Telephone: (301) 443-3948