

NIH GUIDE

For Grants and Contracts

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All Subscribers - NIH Guide for Grants and Contracts

P.T. 04, 34, 22, 44; K.W. 1014002, 0710030, 0404000

Effective with this issue, the NIH Guide will be published weekly, as a general rule. Some issues may be omitted, especially during summer and holiday seasons. The revised publication will include notices of availability of Requests for Proposals (RFPs), formerly distributed separately as Guide Supplements.

NIH is in the final stages of updating the mailing key for the Guide, based on responses to the purge notice circulated last fall. Until that process is completed, the distribution may not reflect all current requests for additions, deletions, and changes of address. If you have submitted a change notice and the correction has not been made as yet, please wait until the purge is completed before notifying us. Establishment of the new key will be announced in the Guide.

ANNOUNCEMENT

REQUEST FOR PROPOSAL (RFP) - ES-86-08

CLONING AND SEQUENCING ACTIVATED ONCOGENES

P.T. 34; K.W. 0755035, 0790010

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES

The National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH), is soliciting proposals from all offerors having the capability for Cloning and Sequencing Activated Oncogenes.

Cloning and Sequencing Activities under the contract will be based on experiments designed according to the nature of the transforming gene including those of the ras gene family, those of other known oncogenes, and those not identified by any oncogenes DNA probe. Anticipated contract period of performance is 4-5 years. Special requirements for facilities include standard equipment for cloning and sequencing procedures, and handling radioactive chemicals: Solicitation No. NIH-ES-86-08 will be issued approximately May 27, 1986, and will allow approximately 45 days for submittal of proposals. A cost reimbursable-type contract with a 4-5 year Period of Performance is anticipated. Requests must reference the RFP Number and should be directed to:

Thomas M. Hardee
Contract Specialist, NIEHS
P.O. Box 12874
Research Triangle Park,
North Carolina 27709

ANNOUNCEMENT

REQUEST FOR PROPOSAL: (RFP) - ES-86-09

ONCOGENE ACTIVATION AND MOLECULAR DOSIMETRY IN ANIMAL MODELS
FOR CHEMICAL CARCINOGENS

P.T. 34; K.W. 0780005, 1002002, 0715035

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES

The National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH), is soliciting proposals from small business companies having the capabilities to perform Oncogene Activation and Molecular Dosimetry in Animal Models for Chemical Carcinogenes.

The main requirement under this RFP involves generating tissue samples, including benign and malignant tumors, preneoplastic nodules or cells, and normal tissue adjacent to tumor tissue. Special requirements include housing and maintaining rodents, surgical manipulations, routine clinical observations, assessment of clinical observations, routine necropsy and pathological examinations. Contract period of performance will be 4-5 years. Special requirements for facilities include animal holding, histology equipment, freezer storage, liquid nitrogen holding equipment, and record and data storage. Solicitation No. ES-86-09 will be released approximately May 27, 1986, and will allow approximately 45 days for

submittal of proposals. A cost reimbursable-type contract with a 4-5 year Period of Performance is anticipated. The RFP is restricted to concerns qualifying as small business. Requests must reference the RFP number and should be directed to:

Thomas M. Hardee
Contract Specialist, NIEHS
P.O. Box 12874
Research Triangle Park,
North Carolina 27709

ANNOUNCEMENT

AVAILABILITY OF REQUEST FOR APPLICATIONS: RFA - 86-HL-22-H

BYPASS ANGIOPLASTY REVASCULARIZATION INVESTIGATION (BARI) CENTRAL RADIOGRAPHIC LABORATORY

P.T. 34; K.W. 0715040, 0785210, 0785190, 0755015

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE

Application Receipt Date: August 29, 1986

The Division of Heart and Vascular Diseases, National Heart, Lung, and Blood Institute (NHLBI), announces the availability of a request for applications (RFA) on the above program.

The Division invites applications for a Central Radiographic Laboratory to participate with NHLBI in the design and performance of a collaborative randomized clinical trial to assess the relative efficacy of percutaneous transluminal coronary angioplasty and coronary artery bypass graft surgery in patients who require invasive therapy and have coronary anatomy suitable for either procedure. The program will include randomized studies in well-defined subsets of patients with symptomatically severe coronary artery disease. The cooperative agreement, an assistance mechanism, will be used to support this study. It is anticipated that one Central Radiographic Laboratory will participate in BARI, subject to the availability of funds. The proposed program will support the Central Radiographic Laboratory for a period of eight years. Among the disciplines and skills appropriate for this research program are those of Cardiology, Radiology, Angiography, Angioplasty, and Clinical trials .

The RFA will be released on May 22, 1986. Requests for copies of the RFA should be addressed to the following individual.

Thomas L. Robertson, M.D.
Chief, Cardiac Diseases Branch
Federal Building - 3C06
7550 Wisconsin Avenue
Bethesda, Maryland 20892
Telephone: 496-1081

ANNOUNCEMENT

SPECIAL EMPHASIS RESEARCH CAREER AWARD:
NUTRITIONAL AND METABOLIC FACTORS IN AGING

P.T. 34; K.W. 0710005, 0710095, 0765020, 0765035

NATIONAL INSTITUTE ON AGING

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

The National Institute on Aging (NIA) solicits applications for Special Emphasis Research Career Awards (SERCA) for training and research support of scientists seeking careers in nutritional and metabolic factors in aging.

BACKGROUND

Numerous needs for research on nutritional and metabolic factors in aging have been identified. These include epidemiologic, clinical, and physiologic research involving humans and animals. They may be grouped in two general areas:

Effects of nutritional and metabolic factors acting over the lifespan on longevity, health, and diseases of late life. Examples include:

- o Effects of chronic dietary restriction on lifespan in nonrodent species, particularly primates.
- o Mechanisms of extension of lifespan by dietary restriction in established rodent models.
- o Long-term effects of caloric intake, obesity, and intake of specific macro- and micro-nutrients on longevity and maintenance of health in late life, on the incidence of age-related diseases and on the rate of progression of age-related physiologic and pathophysiologic changes. The effects of excess consumption of nutrients, as well as inadequate intake, are of interest.
- o The contribution of metabolic byproducts such as free radicals of glycosylated proteins to age-related pathology, through their effects on cellular or tissue constituents and functions.

Effects of age-related changes on nutritional requirements and on pathophysiologic processes related to excessive consumption of specified nutrients. Examples include:

- o Effects of age-related changes in nutrient digestion, metabolism, and body composition on nutrient requirements and susceptibility to specific diseases, e.g., effects of age-related changes in cholesterol metabolism on atherogenesis.
- o Contributions of deficits or excesses of specific nutrients in old age to diseases or dysfunctions.
- o Effects of physiologic changes with age on nutritional requirements and intermediary metabolism.

This SERCA is intended to foster the career development of researchers with interests in these and related topics by encouraging qualified individuals to acquire in-depth experience and skills in the basic and clinical scientific disciplines that bear upon this area.

PROVISIONS OF THE AWARD

This non-renewable award provides support for up to a five-year period of full-time research and related activities. The latter may include further development of research skills, participation in workshops, symposia, and professional meetings. A minimum of 75 percent of an awardee's time must be spent in the actual conduct of research.

The SERCA grant is made to the awardee's parent institution and provides up to \$40,000 per year for full time salary support plus fringe benefits. A maximum of \$10,000 per year during the first three years and up to \$20,000 per year during the remaining two years may be provided for research costs including technical assistance, limited equipment, supplies, consultant costs, travel, publication, and other costs.

The grantee institution must be a domestic university, medical school, or comparable institution with strong, well-established research and training programs in the chosen area, adequate numbers of highly trained faculty in clinical and basic science disciplines, and interest, capability, and commitment to provide guidance in the development of research independence.

Throughout the grant period, the sponsoring institution is expected to arrange significant working relationships with the awardee through an advisor who will sponsor and oversee the proposed program, and who will make sure that the awardee will receive the proper experience for a future research career in nutritional and metabolic factors in aging.

The advisor must be a biomedical scientist with extensive research experience. A background in aging, though desirable, is not essential.

The sponsoring institution should facilitate the program in every way possible, providing space, resources, and other support insofar as feasible. While the program should be situated primarily at a single institution, travel to and stays at other institutions for relevant research and training experiences are permissible.

ELIGIBILITY REQUIREMENTS

Candidates for the SERCA Award must hold a Ph.D. or M.D. or equivalent professional degree (e.g., D.D.S., D.O., D.V.M., etc.) and by the beginning date of the award should have a minimum of two years of research experience in nutrition, biochemistry, physiology, pharmacology, gerontology, epidemiology, or other relevant areas. The award is appropriate for persons at an early stage of their careers as well as for persons in mid-career who have worked in other fields and wish to

acquire expertise in nutrition, metabolism and aging. Candidates must be citizens or non-citizen nationals of the United States or its possessions or territories or must have been lawfully admitted to the U.S. for permanent residence at the time of application.

MECHANISMS OF SUPPORT

The administrative and funding mechanism to be used to support these studies will be the Special Emphasis Research Career Award. The regulations (Code of Federal Regulations, Title 42, Part 52 and Title 45, Part 74) and policies that govern the research grant programs of the Public Health Service will prevail. This program is described in the Catalog of Federal Domestic Assistance No. 13.866, Aging Research. Awards will be made under the authority of the Public Health Service Act, Title III, Section 301 (P.L. 78-410, as amended, 42 USC 241).

Those applications received on October 1, 1986 will be funded with set-aside funds. The start date for those funded projects will be approximately July 1, 1987. A total of up to \$180,000 has been allocated to fund the first year of these awards. It is planned that three awards may be made but this will depend on the quality and research scope of approved applications. The award of grants pursuant to this set-aside of funds is contingent upon the availability of funds for this purpose.

Subsequent applications for this SERCA award may also be submitted for the regular NIH February 1, June 1, and October 1 receipt deadlines beginning in 1987. These applications will compete for funding with applications for other NIA awards, but no funds have been set aside specifically for funding of these SERCA applications.

REVIEW PROCEDURES AND CRITERIA

Applications will be received by the NIH Division of Research Grants and will be assigned to the NIA. Responsive applications will be assigned to an appropriate group for review. Applications judged by the NIA to be non-responsive will be treated as regular grant applications.

Applications will be reviewed in accord with the usual NIH peer review procedures. The review criteria are the traditional considerations underlying scientific merit. Following study section review, the applications will be evaluated by the National Advisory Council on Aging.

METHOD OF APPLYING

Prospective applicants should obtain specific instructions for preparing applications for this SERCA from the program contact listed at the end of this announcement. A letter of intent is not a prerequisite for applying; however, prospective applicants are encouraged to send a letter identifying the applicant institution and proposed principal investigator. This letter should be sent to the NIA contact by September 1, 1986.

Applications should be submitted on the standard PHS 398 application form available at most institutional business offices or from the Division of Research Grants, NIH, (301) 496-7441. On item 2 of the face page of the application, applicants should enter: NIA SERCA: Nutritional and Metabolic Factors in Aging.

The completed original application and four copies should be sent to:

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

Applications for the first round of review must be received by October 1, 1986 including a completed DHHS 596 (Human Subjects) form. Subsequent applications will be accepted for the February 1, June 1 and October 1 deadlines.

The NIA contact office listed below should be sent two copies of the application at the time of submission.

Inquiries and correspondence should be directed to:

Nutrition Program
National Institute on Aging
Building 31, Room 5C-21
Bethesda, Maryland 20892
(301) 496-1033

ANNOUNCEMENT

THE ROLE OF CAMPYLOBACTER PYLORIDIS IN GASTRODUODENAL DISEASE

P.T. 34; K.W. 0715125, 0715085, 0745020, 1002027, 0785055, 0785165, 0755030

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES

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

BACKGROUND

The National Institute of Allergy and Infectious Diseases (NIAID) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invite applications for research grants as part of their continuing programs in support of research in infectious enteric diseases. Applications should focus on the role of *Campylobacter pyloridis* (C.P.) as a causative organism involved in gastroduodenal disease, particularly gastritis and peptic ulcer. Since 1982 a new gram negative bacterium similar to those of the genus *Campylobacter* has been isolated from the gastric mucosa of patients with gastritis. Recent reports from Europe, USA, Japan, South America, and Australia have confirmed the association of C.P. with gastritis and, in some reports, with peptic ulcer disease. At the Third International Workshop on *Campylobacter* Infections, Ottawa, Canada, July 1985, several reports favored the opinion that C.P. causes gastritis rather than gastritis permitting the infection. (In *Campylobacter* III, Proceedings of the Third International Workshop on *Campylobacter* Infections, Ottawa, 7-10 July 1985. Edited by A.D. Pearson, M.B. Skirrow, H. Lior, and B. Rowe. Public Health Laboratory Service, 61 Colindale Avenue, London NW9 5DF, 1985.)

The exact role of C.P. in these diseases of the stomach requires clarification. The NIAID/NIDDK believe that longitudinal studies of patients with and without these symptomatic C.P. and to describe the natural history of this newly recognized infection of the stomach which may affect millions of Americans. Research into *Campylobacter pyloridis* and associated diseases offers a means of improving the diagnosis and treatment of this putative gastroduodenal infection. To pursue these studies in depth the NIAID/NIDDK favor collaborative research among multiple disciplines: microbiology, epidemiology, gastroenterology, and pathology. Institutions with demonstrated expertise in both clinical and basic sciences, with strong ongoing research programs and resources, and with the ability to mount a multidisciplinary and collaborative effort will be considered most favorably for research support under the provisions of this program.

Applications should be directed to developing baseline information needed to fill gap areas in our knowledge regarding the causal relationship between C.P. and gastroduodenal diseases. The areas of research interest in this program could include, but are not limited to:

- 1 Longitudinal studies to determine the natural history of C.P. and associated gastroduodenal diseases.
- 2 Studies related to the microbiology of C.P.
- 3 In vitro and in vivo studies to determine virulence factors of C.P. and host immune responses.
- 4 Diagnostic tests, such as a sensitive ELISA system, to detect C.P. antigens in gastric juice that are specific for C.P. and do not cross-react with other *Campylobacter* species.
- 5 Development and study of animal model systems that simulate human infection and pathogenesis of disease.
- 6 Endoscopy for microbiologic and histopathologic studies of C.P. in the syndromes of acute and chronic gastritis and in duodenal ulcer.
- 7 Clinical study of possible preventative and therapeutic measures.

MECHANISM OF SUPPORT AND REVIEW PROCEDURE

Applications in response to this announcement will be reviewed on a nation-wide basis in competition with other applications and in accordance with the usual National Institutes of Health peer review procedures. The initial review for scientific and technical merit will be by an appropriate study section of the Division of Research Grants, NIH; secondary review will be by the National Allergy and Infectious Diseases Advisory Council/National Diabetes and Digestive and Kidney Diseases Advisory Council. Funding decisions will be based upon relative scientific merit, program relevance, and the availability of appropriate funds.

APPLICATION PROCEDURE

Applications should be submitted on Form PHS 398 which is available in the business or grants and contracts office in most academic and research institutions.

On the first (face) page, item 2, of the application, the word "Yes" should be checked and the phrase "RESPONSE TO NIAID/NIDDK ANNOUNCEMENT ON THE ROLE OF CAMPYLOBACTER PYLORIDIS IN GASTRODUODENAL DISEASE" should be typed in the space provided.

The original and six copies of the application should be sent or delivered to:

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

STAFF CONTACT

For further information concerning this announcement and the mechanisms of support for research, investigators are encouraged to contact either:

Richard E. Horton, M.D.
Clinical and Epidemiological Studies Branch
MIDP, NIAID, NIH
Building 31 -Room 7A49
Bethesda, Maryland 20892
Telephone: 301-496-5893

or

G.G. Roussos, Ph.D.
Director, Gastrointestinal Digestion
and Immunology Programs, NIDDK
National Institutes of Health
Westwood Building - Room 3A-18A
Bethesda, Maryland 20892
Telephone: 301-496-7121

These programs are described in the Catalog of Federal Domestic Assistance No. 13.848, Digestive Diseases and Nutrition Research and 13.856, Microbiology and Infectious Diseases Research. 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 42 CFR Part 52 and 45 CFR Part 74. This program is not subject to the intergovernmental review requirements of Executive Order 12372 or Health Systems Agency review.