

NIH GUIDE

for GRANTS and CONTRACTS

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Vol. 4, No. 2, March 14, 1975

RESEARCH CAREER DEVELOPMENT PROGRAM
ANIMAL RESOURCES BRANCH, DRR

A N N O U N C E M E N T

The NIH Guide for Grants and Contracts, Vol. 3, No. 17, dated November 1, 1974, announced that NIH is currently accepting applications in the Research Career Development Program. This current announcement gives details of the first-time participation in that continuing program by the Animal Resources Branch of the NIH.

The Animal Resources Branch (ARB), Division of Research Resources, is participating for the first time in the NIH Research Career Development Program.

Awards from ARB will be for individuals with a demonstrated potential to do animal resource-related research who require additional training and experience in a productive scientific environment in preparation for careers in independent research. Especially relevant will be career development focused on investigation of naturally occurring diseases and intercurrent infections of laboratory animals; investigations to elucidate new animal disease models; and investigations of animal related variables, such as animal nutrition and environment, which influence research results.

Institutions may apply for awards on behalf of individuals who have had three or more years of relevant postdoctoral experience. The candidate must be a citizen or national of the United States or have been lawfully admitted as a permanent resident. An individual who has achieved professional recognition, as evidenced by numerous publications in professional journals and/or the attainment of tenure as professor or department chairman, is usually considered to have already achieved the objectives of this program and therefore to be ineligible.

An RCD award is limited to a single support period of 5 years. It will pay the salary support of the awardee, but not for supplies or other items.

The GUIDE is published at irregular intervals to provide policy and administrative information to individuals and organizations who need to be kept informed of requirements and changes in grants and contracts activities administered by the National Institutes of Health.

Supplements, printed on yellow paper, are published by the respective awarding units concerning new projects, solicitations of sources, and requests for proposals.

The salary must be based on a full-time, 12-month staff appointment. It must be consistent both with the established salary structure of the institution and with salaries actually provided by the institution from its own funds to other staff members of equivalent qualifications, rank, and responsibility in the department concerned. The maximum NIH contribution to the salary is \$25,000 per year.

Review will be based on:

1. The candidate's potential for development into a creative independent investigator based on evidence of originality, adequacy of scientific background, need for further training, and/or research experience, commitment to research related to animal resources, and letters of reference;
2. The candidate's proposed research plan in terms of its ability to foster acquisition of new research skills and to promote independent and original investigation by the candidate; and
3. The research environment assessed in terms of suitability for the candidate's career development, opportunity for critical exchange with colleagues, opportunity for stimulus to develop into an independent investigator in laboratory animal and comparative medicine, freedom from service responsibilities that would not contribute to research career development, and adequacy of facilities, equipment, space, and financial and technical assistance.

Application material may be obtained by writing to Grants Inquiries, Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20014. If a self-addressed gummed mailing label is enclosed in the request for kits, it will expedite handling.

Applications received by	Results announced by the following
May 1	December
September 1	March
January 2	June

Questions concerning the Research Career Development application in animal resources should be addressed to:

Dr. Charles McPherson
Animal Resources Branch
Division of Research Resources
National Institutes of Health
Bethesda, Maryland 20014

Telephone: (301) 496-5451

OCCUPATIONAL HEALTH RESEARCH RELATED
TO ENERGY PRODUCTION AND DEVELOPMENT

A N N O U N C E M E N T

The National Institute for Occupational Safety and Health (NIOSH) invites grant applications for research projects and demonstrations designed to explain, interpret, and predict the occupational health effects of particulates and organic compounds associated with the various coal technologies as well as other primary energy search and utilization proposals being developed in response to the Nation's effort toward energy self-sufficiency. Approved projects will be supported with funds which are anticipated to be made available to NIOSH early in calendar year 1975.

The overall objectives of the Institute's program are:

1. To determine the quantitative and qualitative effects on the health of persons occupationally-exposed to energy-related agents;
2. To assess risks to occupationally-exposed populations associated with all aspects of energy production, from resource recovery to energy utilizations for diverse energy sources; and
3. To provide information on health effects which can be used to establish rational standards for occupational exposure of population groups to energy-related hazardous agents.

At this time, emphasis is put on investigations involving occupational health effects of particulates and organic compounds related, but not restricted, to coal technologies.

Representative priority areas of investigation include: metabolism, toxicology, fate of inhaled and ingested particulates and organic compounds, internal behavior, deposition patterns, chemical and physical characterizations and relationships, occupational disease causation and course (e.g., pneumoconioses, silicosis, lung fibrosis, cancer, bronchitis, dermatoses), persistence and removal rates, degeneration and repair, protective mechanisms, detoxification, molecular, cellular, and tissue changes and relationships.

Methodologies and experimental designs may include as appropriate: physical models, mathematical models, laboratory and other experimental animals, microorganisms, human subjects in epidemiologic, biometric, and other appropriate modalities, detection and analytic methods, tissue and cell culture, and in vitro investigations.

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Applications should be submitted on PHS Form 398 to the Division of Research Grants, National Institutes of Health, Westwood Building, Bethesda, Maryland 20014. These are described in the green sheet which accompanies Form 398 in the NIH application kit.

For further information please contact:

Office of Extramural Activities
National Institute for Occupational
Safety and Health
Room 501
U.S. Post Office Building
Cincinnati, Ohio 45202

Telephone: (513) 684-2163

RESEARCH GRANT SUPPORT IN THE AREAS
OF PROFOUND HEARING IMPAIRMENT
AND AUDITORY PROSTHESIS

A N N O U N C E M E N T

The National Institute of Neurological Diseases and Stroke (NINDS), a division of NIH, provides research grant support for investigations of the problems of profound hearing impairment. This program effort includes both basic and clinical research as well as the development and evaluation of auditory prosthetic techniques. Within the broad base of investigator-initiated research and complementing these efforts, three targeted research grant areas have been identified by the Institute for special attention: auditory implant clinical research centers, improved methods for the evaluation of profound hearing impairment, and animal based studies on cochlear implants.

Auditory Implant Research Centers

The National Institute of Neurological Diseases and Stroke is pleased to announce the establishment of a program of NINDS Auditory Implant Research Centers (AIRC). This targeted research grant program will complement the ongoing program of NINDS research support in the basic and clinical science aspects of hearing, deafness, speech and language.

Profound hearing loss afflicts more than 300,000 citizens of the United States. It is the intent of the targeted program of AIRC to investigate the possibility for improved hearing and speech in persons with profound hearing loss through studies of the physiology, psychoacoustics, pathophysiology, efficacy and complications of auditory implants and other sensory aids in animal and man. Each AIRC will be required to establish a coordinated program of basic and clinical research and to collaborate in national scientific endeavors of investigation and evaluation.

Through the mechanism of specialized research center awards, institutions participating in the AIRC program will be provided funds for research which may include development of multichannel electrodes and stimulation systems, animal studies evaluating the indications, usefulness and complications of implants, the development of improved measurement methodologies for pre-implant evaluation and post-implant followup in human subjects, and the development and evaluation of improved methods of patient rehabilitation. The development and evaluation of other sensory aids to improve perception and communication in those with profound hearing loss also may be included.

Under rigorous protocols of patient selection and patient followup, each AIRC also will participate in national collaborative efforts to evaluate the indications, efficacy, and complications of implants and other sensory aids.

If funds are available, the NINDS expects to fund up to four (4) Auditory Implant Research Centers. Each application will be reviewed on a competitive basis for scientific merit and program relevance. The deadline for the receipt of applications is June 1, 1975; awards will be made with a January 1, 1976, beginning date.

The Development and Testing of Improved Evaluation Procedures

The methods presently available for subject evaluation require further development if the scientific community is to be able to evaluate effectively therapeutic intervention for those with profound hearing loss. Many of the methods are not appropriate or ideal for determining the effectiveness of therapeutic intervention in these cases.

The NINDS encourages the development of research grant proposals for improved methods of assessing the biomedical, behavioral and social status of the profoundly hearing impaired. Applications will be accepted and reviewed three times a year in accordance with the established research grant guidelines of the NIH.

Auditory Prosthesis

The NINDS encourages the submission of research grant applications for animal research on the basic research aspects of the feasibility of cochlear implants as aids for the profoundly deaf. In particular, research problems which need to be addressed are: the long-term survival of the auditory nerve after hair cell destruction resulting from implantation of devices in the cochlea and after electrical stimulation, the numbers and locations of viable nerve fibers which are suitable for stimulation with implanted prostheses, the development of neurophysiological and behavioral techniques for evaluating the effectiveness of preprocessed speech-like stimuli delivered through suitable electrode configurations, etc.

Application forms and further information
about these targeted research grant programs
can be obtained from:

Communicative Disorders Section
Extramural Programs, NINDS
Room 7A-16, Westwood Building
National Institutes of Health
Bethesda, Maryland 20014

Telephone: (301) 496-7725

NATIONAL RESEARCH SERVICE AWARDS
FOR INDIVIDUAL POSTDOCTORAL FELLOWS

A N N O U N C E M E N T

The National Institutes of Health provides National Research Service Awards to postdoctoral individuals for training experiences in specified areas in biomedical and behavioral research. The *NIH GUIDE FOR GRANTS AND CONTRACTS*, Vol. 3, No. 15, dated October 15, 1974, announced the initiation of this program with January 2 and May 1, 1975, receipt dates. Applications may now be submitted for the May 1 (receipt date) competition.

Awards will be made to individual applicants, for specified training proposals, selected as a result of a national competition. Eligibility requirements, financial provisions, conditions of awards, and a list of the specified areas of support will be found in the previously cited *NIH GUIDE*.

CANCER RESEARCH EMPHASIS GRANTS

A N N O U N C E M E N T

Introduction The National Cancer Institute, under the authority of Section 301 and Title IV Part A of the Public Health Service Act as amended (42 U.S.C. 241, 281 et seq.), will establish grant-supported CANCER RESEARCH EMPHASIS programs to promote research needs of the National Cancer Program. The need for specific research will be established with broad input and advice from outside consultants and advisory committees. Cancer Research Emphasis Grants (CREG) will be used to promote and support research projects for which (1) the applicant responds, within a designated period of time, to an individual public announcement by the National Cancer Institute, for research within a specific program area, (2) approaches and methodology will be left to the creativity and initiative of the extramural scientists who apply, (3) direction of approaches and technical supervision from NCI is neither necessary nor desirable.

Purpose The purpose of CREG programs is to promote cancer research in areas in which (a) knowledge gaps are not being sufficiently addressed by ongoing research, (b) there are needs for independent efforts to verify and corroborate ongoing research, or (c) there are needs to stimulate or intensify efforts in promising research areas. Suitable research areas and research projects for Cancer Research Emphasis Grants will be identified by NCI with the help of outside advisors.

Announcements Cancer Research Emphasis announcements inviting grant applications will be published in the *NIH GUIDE FOR GRANTS AND CONTRACTS* and in other appropriate publications. Announcements will include specific and detailed statements of the purpose, objectives, rationale, and significance to program goals of the desired research. The announcements will specify dates for the receipt of applications.

Eligibility Cancer Research Emphasis Grants will be awarded to nonprofit organizations and institutions, State and local governments and their agencies, authorized Federal institutions, and, occasionally, to individuals, in accordance with NIH policy. NIH will not accept an application in response to a Cancer Research Emphasis announcement identical to one concurrently being considered by NCI or other NIH awarding units.

Submission and Review of Applications Investigators will send applications to the Division of Research Grants (DRG), National Institutes of Health, and must identify in a covering letter the single Cancer Research Emphasis announcement to which the application responds. Applications may request more than one year of support and may be renewable if the program is announced for continuation by the NCI.

The Study Sections of the Division of Research Grants, NIH, will provide the initial review for Cancer Research Emphasis Grant applications. They will then receive review and recommendation by the National Cancer Advisory Board.

NOTICE

*This is not a request for applications.
Announcements inviting applications for
specific research will be published as
they are developed.*

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