

NIH GUIDE

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IN THIS ISSUE:

SENIOR INTERNATIONAL FELLOWSHIPS FOGARTY INTERNATIONAL CENTER

Announcement of fellowships offered by Fogarty International Center. Receipt date for applications: December 1.

Page 1

PERSONNEL VACANCY

Nominations and applications invited for position of Associate Director for Extramural Research and Training, NIH.

Page 5

CORRECTION - NCI CONSTRUCTION PROGRAM

No more than 50% Federal financial participation effective for applications submitted for February 1, 1978, receipt date rather than October 1, 1977.

Page 6

COMPENSATION OF INJURED RESEARCH SUBJECTS

Copies of publication available.

Page 6

(over)

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If your present address differs from that shown on the address label, please send your new address to: Grants and Contract Guide Distribution Center, Division of Research Grants, NIH, Room 219, Westwood Building, Bethesda, Maryland 20014, and attach your address label to your letter. Prompt notice of your change of address will prevent your name from being removed from our mailing list.

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.

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE

MEDICAL SCHOOL PULMONARY FACULTY TRAINING AWARD

Announcement of new competition for these awards.
Letter of intent due June 15, 1977.

Page 7

PULMONARY ACADEMIC AWARD

Announcement of national competition. Letter
of intent due June 15, 1977.

Page 11

SPECIAL DENTAL RESEARCH AWARD

Revision of announcement contained on page 15, Vol. 5,
No. 20, of the *NIH Guide for Grants and Contracts*.

Page 13

SENIOR INTERNATIONAL FELLOWSHIPS

FOGARTY INTERNATIONAL CENTER

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

The Senior International Fellowship Program provides opportunities to U.S. schools of medicine, osteopathy, dentistry, and public health to nominate outstanding faculty members at mid-career, who have demonstrated productive scholarship and recognized stature in their profession, to go abroad to study and share their expertise [PHS Act, Section 307(b)(2)]. It is intended that this award be a career-enhancing educational experience with mutual benefits to all involved. It is the aim of these fellowships to:

1. increase the interchange of ideas of mutual interest between U.S. scholars in academic medicine and those of other nations of the world;
2. permit the exchange of the latest advances in a particular area of medicine, both basic and clinical;
3. permit participation abroad in on-going research in the medical sciences or in science areas related to medicine; and
4. improve the academic, research and/or clinical biomedical potential of the U.S. medical institution.

Eligibility Requirements To be eligible for a Senior International Fellowship, the nominee must:

1. be a U.S. citizen, or have permanent resident status;
2. hold a full-time appointment on the staff of the nominating institution;
3. have at least five years' experience beyond the doctorate or have professional medical degree in research, teaching, or other relevant professional work;
4. possess the linguistic abilities necessary for learning and for profitable discussion with colleagues in the country proposed for the fellowship.

Program Requirements The applicant is expected to pursue during the fellowship period at the host institution a specific, well-designed project of mutual interest related to his or her on-going work as well as to that which will be continued upon return. The type of project would be dependent upon the professional discipline of the applicant, such as, basic laboratory or clinical research, data collection and analysis, or operational research.

The intrinsic technical merit of the project is one of several important factors to be considered in evaluating the totality of the application as to its fulfillment of the basic purpose of the program. The following factors will be given weight in review of the application:

- qualifications of the applicant
- potentiality for career enhancement
- opportunity for close, interpersonal technical interchange
- benefit to the U.S. nominating institution
- benefit to the foreign host institution
- technical merit and significance of the project.

Applications cannot be considered as fulfilling the purpose of the program where there is not a sufficient period of time for in-depth interaction by the applicant with the host institution or where the benefit is primarily for only one of the parties. Thus applications having any of the following as the major feature cannot be accepted:

- visits to multiple institutions and/or for brief periods
- attendance at conferences
- attendance in formal training courses
- full-time clinical, technical, or teaching service
- completely independent study.

Nominations The nomination of an individual for this fellowship will be made by the sponsoring U.S. institution. The letter of nomination must be from the President, Dean, or other appropriate official of the nominating institution, and shall specify the expected benefits to the institution of the applicant's proposed program. Additional information as considered pertinent may be submitted by the institution in support of the nomination. A letter of invitation from an appropriate individual at the host institution abroad attesting to the willingness of the institution to sponsor the applicant and outlining any benefits which may accrue will be a necessary part of the application. In addition, letters of recommendation from colleagues or others who are acquainted with the individual's scientific competence will be solicited by the applicant. The nominee will be judged on these evidences of academic competence and on ability to pursue the proposed program.

Documents to be Submitted The applicant must submit a research fellowship application and a signed HEW-596 form (Protection of Human Subjects Certification). In addition, the applicant must arrange for the submission of supporting documents on his or her behalf (reference reports, letter of invitation from host institution, etc.).

Application Material Individuals are encouraged to review the eligibility criteria before requesting application kits from their Dean's office. Application kits will be sent to the office of Deans of schools of medicine, osteopathy, dentistry, and public health upon request. Application kits will not be sent by NIH directly to applicants. Deans' offices should request application materials from the Scholars and Fellowships Program Branch, Fogarty International Center, National Institutes of Health, Bethesda, Maryland 20014.

Receipt Date for Applications Completed applications must be mailed to the Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20014, by December 1 of each year. Applications received after that date will be returned to the applicant unless it is specifically requested by the applicant to be held for the next year's review.

Selection of Awardees Nominations will be reviewed for scientific merit by an NIH review committee. Individuals selected will represent a broad spectrum of interests but will be representative of current needs and concerns. An applicant will be notified by the Fogarty International Center of the final action on his application by an award notice or by a letter. Results will be announced in May.

Stipends will be determined at the rate of \$18,000 for a 12-month period, prorated for shorter periods.

Allowances Fellows will be reimbursed for the cost of round-trip economy travel fare from the nominating institution to the foreign host institution when U.S. flag carriers are used for (1) departure from or entry into the United States and (2) any other portion of the trip where U.S. carriers are available. When U.S. carriers are unavailable for any portion of the trip, the NIH awarding unit should be notified. No allowance will be provided for dependents, unrelated travel, or shipment of household effects.

An unaccompanied baggage allowance for personal effects, not to exceed 100 pounds, to be shipped air freight may be authorized.

Upon justified request from the nominating institution, the Fogarty International Center will provide funds not to exceed \$2,000 per 12-month period to help defray such expenses as fees, research supplies, and equipment to the foreign host institution.

Supplementation Supplementation is the provision of funds to a fellow in addition to the stipend amount provided by the NIH award. Institutions are expected to follow their normal policies and guidelines governing supplementation. No supplementation may be provided from Federal funds.

The conditions for receiving the additional stipend amount must be designed to avoid imposition of service or teaching requirements which would detract from or prolong the fellowship.

Concurrent Benefits Stipends under the Senior International Fellowship Program may not be received concurrently with any other Federal educational award (fellowship, traineeship, etc.), except that fellows may accept concurrent educational remuneration from the Veterans Administration (e.g. G.I. Bill) and loans from Federal funds.

Tenure Applicants may request support for a period three to twelve months in length.

Activation Date An awardee may activate his or her fellowship at any time during the 12-month period following the date of the award notice. The activation date cannot be retroactive to a date prior to the date of the Notice of Research Fellowship Award.

Conditions of Award Upon termination of the fellowship the fellow will submit a complete and definitive report of the fellowship assignment including accomplishments, recommendations, and evaluation of the supported activity. If possible, a report by the host institution and the nominating U.S. institution will be obtained. Fellows are not entitled to vacations as such, although they are entitled to the normal holiday periods of the host institution.

Financial Arrangements Fellowship travel funds, stipends, and reimbursements to host institutions are dispensed directly by the sponsoring institution in keeping with NIH policy. Funds for this purpose are provided through Public Health Service Fellowship Awards made to the sponsoring institution for the individual fellows.

For Additional Information Contact:

Scholars and Fellowships Program Branch
Fogarty International Center
National Institutes of Health
Bethesda, Maryland 20014

PERSONNEL VACANCY

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

The National Institutes of Health invites nominations and applications for the position of Associate Director for Extramural Research and Training, NIH, who will serve as the principal advisor to the Director, NIH, on all matters relating to the substance, quality, and effectiveness of the NIH Extramural Programs. Candidates should have knowledge of the NIH programs and policies, an understanding of problems confronting institutions, and an appreciation of the major issues confronting biomedicine, the NIH, and the public.

Applicants should possess the Ph.D., M.D., or other professional degree, or equivalent, and have demonstrated achievement and stature in a biomedical, behavioral, or social science discipline. Demonstrated administrative and interpersonal skills are also required for interacting with Federal and non-Federal organizations.

Position is in a top U.S. Civil Service grade level or in the PHS Commissioned Corps. Letters of application or nominations with curriculum vitae should be sent to the Chairman of the Search Committee:

Thomas E. Malone, Ph.D.
National Institutes of Health
Public Health Service
Room 107, Building 1
Bethesda, Maryland 20014

Applications must be received by June 3, 1977, to be considered.

AN EQUAL OPPORTUNITY EMPLOYER

CORRECTION - NCI CONSTRUCTION PROGRAM

NOTICE

Requests for no more than 50% Federal financial participation in NCI construction grants will be effective for applications submitted for the February 1, 1978, receipt date rather than the receipt date of October 1, 1977, as stated on page 17 of Vol. 6, No. 9, dated April 26, 1977, of the *NIH Guide for Grants and Contracts*.

COMPENSATION OF INJURED

AVAILABILITY OF
REPORT

RESEARCH SUBJECTS

A report, including recommendations, from the HEW Secretary's Task Force on the Compensation of Injured Research Subjects was published in January 1977.

Additional copies of this publication (HEW Publication Number OS-77-003) may be obtained from:

National Institutes of Health
Room 1-B-58, Building 31
9000 Rockville Pike
Bethesda, Maryland 20014

MEDICAL SCHOOL PULMONARY

FACULTY TRAINING AWARD

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

1. Objective Under authority of the National Heart, Blood Vessel, Lung, and Blood Act of 1972 (P.L. 92-423, Sec. 413a) as extended by the Health Research and Health Services Amendments of 1976 (P.L. 94-278), the Division of Lung Diseases of the National Heart, Lung, and Blood Institute announces a new competition for National Pulmonary Faculty Training Awards. The objective of these awards is to strengthen education and research in pulmonary medicine at schools of medicine and osteopathy in the United States which do not have fully developed programs addressed to respiratory diseases. To accomplish this goal the program:

- provides support for a training environment at medical centers with strong pulmonary education and research programs,
- provides an opportunity for junior faculty members from schools wishing to strengthen their pulmonary academic programs to obtain extensive pulmonary training at medical centers where the training environment is supported through this program,
- provides limited salary support to junior faculty who have completed the training program and who return to their schools to strengthen the research and training capability of those schools in pulmonary medicine.

Six training sites have been established at medical schools with strong, well-developed pulmonary research and training programs, adequate numbers of highly trained faculty in clinical and basic departments concerned with problems of pulmonary disease, and interest and capability to provide training to young physicians and basic scientists who wish to become pulmonary academicians. The current centers are:

Johns Hopkins University
University of California, Los Angeles
University of California, San Diego
University of California, San Francisco
University of Oklahoma
University of Texas

2. Criteria for Eligibility Domestic schools of medicine or osteopathy that (1) have few or no faculty members engaged in full-time teaching, research, and clinical care in pulmonary disease and respiratory disorders, (2) have little or no capacity for training young faculty members even when successful in recruiting them, and (3) will provide a faculty position for any junior faculty member trained under the Pulmonary Faculty Training Award at the end of the training period are eligible to apply.

The junior faculty member nominated for training by the applying school must be a physician or scientist with a doctoral degree in a health-related field who (1) is a citizen of the United States, a citizen national or admitted for permanent residence at the time of application; (2) wishes to receive extensive specialized training in pulmonary disease or respiratory disorders, or in basic mechanisms involved in these; (3) is committed to return, upon completion of this training, to a faculty position in the sponsoring school; and (4) has the background and potential to profit from the specialized training.

The applicant institution, together with the nominated faculty member, must provide a training plan which will enable the faculty member to return to the nominating school with a breadth of training suitable to his or her future role on the faculty. The junior faculty member at the applicant institution must agree to spend three years at one or more of the designated training centers. Following the training, the faculty member, who must then return to the sponsoring institution, will receive support for two additional years from the Division of Lung Diseases to provide time for the trainee to initiate a respiratory disease program at the sponsoring institution. The sponsoring institution, for its part, must agree to provide a faculty position for the trainee for a minimum of three years after the termination of the award.

Applicants may request up to \$25,000 for the junior faculty member's salary, appropriate fringe benefits, and round-trip economy airfare to the Training Center. No indirect costs are permitted until the fourth year of the award and then at allowable rates up to but not to exceed 8% of allowable direct costs.

3. When and How to Apply A complete description of the program and guidelines for applications may be obtained from:

John B. Mathis, Ph.D.
Division of Lung Diseases
National Heart, Lung, and Blood Institute
Room 6A-05
5333 Westbard Avenue
Bethesda, Maryland 20016

Telephone: (301) 496-7668

An institution interested in submitting an application must forward a letter of intent to the National Heart, Lung, and Blood Institute by June 15, 1977. This letter will not be considered a commitment to apply, but will be used to estimate the number of proposals to be submitted.

Applications for Pulmonary Faculty Training Awards must be received by the National Institutes of Health prior to August 1, 1977, for review by the National Heart, Lung, and Blood Advisory Council in February 1978. The requested beginning date for funding should be July 1, 1978.

Instructions for applying and application forms (NIH 398) may be obtained from the administrative office of the applicant institution. If not other-

wise available, form NIH 398 should be requested from the Office of Grants Inquiries, Division of Research Grants, NIH, Bethesda, Maryland 20014.

4. Review of Applications Applications will be reviewed initially for technical merit in terms of the criteria detailed in the program announcement and application guidelines. The review will include an initial assessment of the written proposal and may involve an interview with the prospective trainee in Bethesda, Maryland. The initial review group will recommend applicants for consideration to the National Heart, Lung, and Blood Advisory Council.

5. Coordination Procedures The program announcement and application guidelines describe the training capabilities of each of the six designated centers. Applications for Pulmonary Faculty Training Awards should list the junior faculty member's preferred training site and two alternate sites. The Division of Lung Diseases will forward copies of approved applications to the training centers. Upon notification by the training centers of acceptable applicants, the Division of Lung Diseases will facilitate the matching of junior faculty trainees with available positions in the preferred training centers.

PULMONARY ACADEMIC AWARD

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

1. Objectives Under authority of the National Heart, Blood Vessel, Lung, and Blood Act of 1972 (P.L. 92-423, Sec. 413a) as extended by the Health Research and Health Services Amendments of 1976 (P.L. 94-278), the Division of Lung Diseases, National Heart, Lung, and Blood Institute announces a national competition for Pulmonary Academic Awards, which have the purpose of stimulating development of a pulmonary curriculum in those schools which do not have one and strengthening and improving the pulmonary curriculum in those schools that do. Awards provide support to individual faculty members for their educational development, and for development and implementation of an improved pulmonary curriculum. In making these awards, the Division of Lung Diseases is encouraging the development of superior pulmonary curricula that will attract outstanding students to pulmonary research and medical practice, and is stimulating the development of ongoing mechanisms at grantee institutions for continued improvement of pulmonary education. This latter goal is to be accomplished through the development of improved educational skills in faculty members with a responsibility for undergraduate and graduate education in pulmonary medicine.

2. Criteria for the Award Competitive review for a pulmonary academic award will include assessment of both the sponsoring institution and the proposed awardee. The specific sponsoring institution must present plans to develop or improve the pulmonary educational program. The prospective awardee must agree to commit a minimum of 50% of his (or her) effort to developing, improving, and implementing a pulmonary curriculum and specify a program for developing those personal educational skills essential to improving the pulmonary curriculum.

3. Provisions of the Award Each school of medicine or osteopathy in the United States or its possessions and territories is eligible for a pulmonary academic award. However, awards will be limited to one for each eligible medical school, for a project period up to five years. Subject to availability of necessary funds, and consonant with the objectives of the Pulmonary Academic Award, the Division of Lung Diseases will provide funds on an annual basis for:

- support for the awardee, who will devote a minimum of 50% effort to developing and implementing the pulmonary curriculum;
- consultant fees for a limited number of experts in the areas of pulmonary diseases and medical education;
- equipment necessary to develop the pulmonary curriculum;
- supplies necessary to achieve the program's objectives;
- travel to enable the awardee to develop his or her educational skills and to meet with other awardees to exchange ideas, methods, and program evaluations;

- stipends, in accordance with NIH policies, for a limited number of students to augment their pulmonary learning experiences during an elective quarter in the academic year; and
- indirect costs, actual up to, but not to exceed, 8% of allowable direct costs.

4. When and How to Apply Individuals interested in applying for a Pulmonary Academic Award should obtain a copy of the program announcement from:

John B. Mathis, Ph.D.
Division of Lung Diseases
National Heart, Lung, and Blood Institute
Room 6A-05
5333 Westbard Avenue
Bethesda, Maryland 20016

Telephone: (301) 496-7668

Prospective applicants must present a letter of intent, countersigned by the Chairman of their respective academic departments, to the National Heart, Lung, and Blood Institute by June 15, 1977. This letter will not be considered a commitment to apply but will be used to estimate the number of proposals to be submitted.

Application for a Pulmonary Academic Award must be received by the National Institutes of Health prior to August 1, 1977, for review by the National Heart, Lung, and Blood Advisory Council in February 1978. The requested beginning date for funding should be June 1, 1978.

Instructions for applying and application forms (NIH 398) may be obtained from the administrative office of the applicant institution. If not otherwise available, form NIH 398 should be requested from the Office of Grants Inquiries, Division of Research Grants, NIH, Bethesda, Maryland 20014.

5. Review of Applications Applications for Pulmonary Academic Awards will be appraised in terms of the criteria outlined for the sponsoring institution and the awardee described in the program announcement and application guidelines. The review will include an initial assessment of the written proposal and may require an interview with the prospective awardee in Bethesda, Maryland. The initial review group will recommend applicants for consideration by the National Heart, Lung, and Blood Advisory Council.

SPECIAL DENTAL RESEARCH AWARD

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

This announcement is a revision of, and thus supersedes, the announcement contained on page 15, Vol. 5, No. 20, *NIH Guide for Grants and Contracts*.

The National Institute of Dental Research (NIDR) makes Special Dental Research Awards (SDRA) to provide funds for young scientists to conduct independent investigations during the early stages of their careers. Recently trained scientists are encouraged to seek grant funds through this award and make their contributions in the expanding field of oral health research.

Eligibility Investigators with no more than four years of research experience beyond completion of research training may apply for an SDRA grant. Persons who meet this requirement may apply even if they hold a Research Career Development Award or a National Research Service Award (NRSA) for Individual Postdoctoral Fellowships, are training under an NRSA Institutional Grant, or are supported under the Minority Biomedical Science or the Biomedical Research Support Programs. However, principal investigators on regular NIH research grants are not eligible for these Special Dental Research Awards, nor can the grants support thesis research.

Provisions Applicants may request a maximum of \$25,000 direct costs per year, for each of three years. Of these funds, as much as \$15,000 may be requested to pay no more than 50% of the principal investigator's salary (commensurate with percent of effort). Up to \$10,000 can be budgeted for such items as supplies, technical support, travel, and publications. All other regulations and policies governing NIH-supported research project grants, including cost-sharing requirements, apply to these grants.

Application Procedures Applicants should use the regular research grant application (NIH 398) and write "Special Dental Research Award" on the top of the face page. Applications are available at institutional central application control offices (see Vol. 2, No. 8, October 26, 1973). The deadlines for submission of applications are July 1, November 1, and March 1. Applications will be competitively reviewed by Division of Research Grants study sections and the National Advisory Dental Research Council.

When the SDRA grant period terminates, the investigator may apply for a renewal of the grant for an additional period, but the grant will no longer be considered a special award. Instead, renewal applications will be considered as competing continuations of regular research grants without the financial restrictions of the special grant.

Areas of Interest Special Dental Research Awards support meritorious basic or clinical research projects directed toward the improvement of oral and dental health. The Institute encourages investigations on Periodontal Disease, Dental Caries, and Oral Soft Tissue Diseases, including

herpes simplex, aphthous ulcers, oral tumors, and other lesions. For example, the recent findings that specific bacteria may cause certain forms of periodontal disease need confirmation in other population groups; and comprehensive immunology studies should be done on both animals and humans to elucidate the host response pattern to each of the suspected pathogens. Since dental caries requires bacterial fermentation of food-stuffs on a susceptible tooth, caries research focuses on combating the bacteria, modifying the diet, and increasing the resistance of the tooth. Especially in order are projects on anticaries vaccine development and on the efficacy of antimicrobial agents. There is also a need for proposals related to Oral-facial Growth and Development, Malocclusion, Craniofacial Anomalies, and Acquired Disfigurement. Such projects may be basic in nature, employing laboratory approaches, or may consist of applied research involving animals or humans. In the field of Orofacial Pain, there is a need for studies of sensory responses, fear and anxiety, and painful conditions such as trigeminal neuralgia. Projects on the Social and Behavioral aspects of oral diseases are also invited. Two other important areas of inquiry are the function of Specific Constituents of Salivary Secretions and the relationship of Nutrition to oral health and disease. Of immediate importance to the NIDR is the improvement of Dental Filling Materials, Adhesive Sealants, Maxillofacial Prosthetic Materials, and the development of effective Tooth Implants.

Inquiries regarding this program may be addressed to Dr. Anthony A. Rizzo, Extramural Programs, National Institute of Dental Research, NIH, Room 519, Westwood Building, Bethesda, Maryland 20014; telephone: (301) 496-7784.