

## MENTORED PATIENT-ORIENTED RESEARCH CAREER DEVELOPMENT AWARD (K23)

Release Date: October 8, 1999

PA NUMBER: PA-00-004

National Institute on Aging  
National Institute on Alcohol Abuse and Alcoholism  
National Institute of Allergy and Infectious Diseases  
National Institute of Arthritis and Musculoskeletal and Skin Diseases  
National Cancer Institute  
National Institute of Child Health and Human Development  
National Institute on Deafness and Other Communication Disorders  
National Institute of Dental and Craniofacial Research  
National Institute of Diabetes and Digestive and Kidney Diseases  
National Institute on Drug Abuse  
National Institute of Environmental Health Sciences  
National Eye Institute  
National Institute of General Medical Sciences  
National Heart, Lung, and Blood Institute  
National Institute of Mental Health  
National Institute of Neurological Disorders and Stroke  
National Institute of Nursing Research  
National Center for Complementary and Alternative Medicine  
National Center for Research Resources

Special Note: In the early stages of application preparation, all candidates should contact the prospective NIH awarding component listed at the end of this program announcement to discuss issues of eligibility and the specific provisions of this award.

### PURPOSE

The purpose of the Mentored Patient-oriented Research Career Development Award (K23) is to support the career development of investigators who have made a commitment to focus their research endeavors on patient-oriented research. This mechanism provides support for three to five years of supervised study and research for clinically trained professionals who have the potential to develop into productive, clinical investigators focussing on patient-oriented research.

Clinically trained professionals or individuals with a clinical degree who are interested in further career development in biomedical research that is not patient-oriented, should refer to the Mentored Clinical Scientist Career Development (K08) Award (see <http://grants.nih.gov/training/careerdevelopmentawards.htm> on the NIH website for details).

For the purposes of this award, patient-oriented research is defined as research conducted with human subjects (or on material of human origin such as tissues, specimens, and cognitive phenomena) for which an investigator directly interacts with human subjects. This area of research includes: 1) mechanisms of human disease; 2) therapeutic interventions; 3) clinical trials, and; 4) the development of new technologies.

The National Institutes of Health (NIH) is especially interested in increasing the number of clinicians trained to conduct high-quality, patient-oriented clinical research. Accordingly, this award forms an important part of the NIH initiative to attract talented individuals to the challenges of clinical research. NIH intends to target a significant increase in funds for these entry-level career development awards through 2003. The K23 provides the awardee, through multidisciplinary didactic training, the opportunity to obtain both the knowledge and the research skills necessary to compete for independent support in patient-oriented research. This initiative is consistent with the recommendations of the NIH Director's Panel on Clinical Research and the recommendations from the Institute of Medicine Committee on Addressing Career Paths for Clinical Research.

The objectives of the Mentored Patient-Oriented Research Career Development Award (K23) are to:

- o encourage research-oriented clinicians to develop independent research skills and gain experience in advanced methods and experimental approaches needed to conduct patient-oriented research
- o increase the pool of clinical researchers who can conduct patient-oriented studies, capitalizing on the discoveries of biomedical research and translating them to clinical settings

In the early stages of application preparation, all candidates should contact the prospective NIH awarding component listed at the end of this announcement to discuss issues of eligibility and the specific provisions of this award.

The Public Health Service (PHS) is committed to achieving the health promotion and disease prevention objectives of "Healthy People 2000," a PHS led national activity for setting priority areas. This Program Announcement (PA), the Mentored Patient-Oriented Research Career Development Award (K23), is related to one or more of the priority areas. Potential applicants may obtain a copy of "Healthy People 2000" at <http://odphp.osophs.dhhs.gov/pubs/hp2000>.

## ELIGIBILITY REQUIREMENTS

The candidate must have a clinical doctoral degree or its equivalent. Illustrative examples include, but are not limited to: M.D., D.D.S., D.M.D., D.O., D.C., O.D., N.D. (Doctor of Naturopathy), D.V.M., Pharm.D., or the Ph.D. or other doctoral degree in disciplines such as clinical psychology, nursing, clinical genetics, speech-language pathology, audiology and rehabilitation. Individuals holding the Ph.D. in a non-clinical discipline but are certified to perform clinical duties should contact the appropriate Institute concerning their eligibility for a K23 award.

Candidates also must have completed their clinical training, including specialty and, if applicable, subspecialty training prior to receiving an award. However, candidates may submit an application prior to the completion of clinical training. Candidates must identify a mentor with extensive research experience, and must be willing to spend a minimum of 75 percent of full-time professional effort conducting research career development and clinical research.

Applications may be submitted, on behalf of candidates, by domestic, non-Federal organizations, public or private, such as medical, dental, or nursing schools or other institutions of higher education. Minorities, women and individuals with disabilities are encouraged to apply. At time of award, candidates must be citizens or noncitizen nationals of the United States, or have been lawfully admitted to the United States for permanent residence (i.e., in possession of a currently valid Alien Registration Receipt Card I- 551, or other legal verification of such status). Noncitizen nationals are generally persons born in outlying possessions of the United States (i.e., American Samoa and Swains Island). Individuals on temporary or student visas are not eligible.

Ineligible individuals include current and former principal investigators on NIH research project (R01), FIRST Awards (R29), comparable career development awards (K01, K07, or K08), sub-projects of program project (P01) or center grants (P50), and the equivalent. Former principal investigators of NIH Small Grants (R03) or Exploratory/Developmental Grants (R21) remain eligible. Current and former recipients of Clinical Associate Physicians Award (CAP) support may apply for the K23 provided they've had no more than 3 years of CAP support by the time of the

K23 award. The combined total of CAP plus K23 support must not exceed 6 years. A candidate for the K23 award may not have pending nor concurrently apply for a CAP award or any other career development award. K23 recipients are encouraged to apply for independent research grant support during the period of this award.

#### MECHANISM OF SUPPORT

Awards in response to this program announcement will use the K23 mechanism. Planning, direction, and, execution of the program will be the responsibility of the candidate and her/his mentor on behalf of the applicant institution. The project period may be for up to five years with a minimum of three years.

Awards are not renewable.

#### AWARDS AVAILABLE

The overall goal of the NIH is to support approximately 80 competing awards in Fiscal Year 1999 and in each succeeding year through Fiscal Year 2003. The actual number of awards to be made by each Institute or Center will vary yearly and will be dependent upon the number and quality of applications submitted and funds available.

#### RESEARCH OBJECTIVES

A. Environment: The institution must have a well-established research and clinical career development program. It must also have faculty qualified in clinical research with an emphasis on patient-oriented research to serve as mentors. The institution must be able to demonstrate a commitment to the development of the candidate as a productive, independent investigator. The candidate, mentor, and institution must be able to describe an in-depth, multi disciplinary career development program that will utilize the relevant research and educational resources.

B. Program: The award provides up to five consecutive 12-month awards. At least 75 percent of the recipient's full-time professional effort must be devoted to the goals of this award. The remainder may be devoted to clinical, teaching, or other research pursuits consistent with the objectives of the award. Both the didactic and the research phases of an award period must be designed to develop the necessary knowledge and research skills in scientific areas relevant to the career goals of the candidate. Candidates must demonstrate they have received or will

participate in courses such as: data management, epidemiology, study design, hypothesis development, drug development, etc., as well as the legal and ethical issues associated with research on human subjects.

Because of the focus on progression to independence as a researcher, candidates for the K23 should propose a period of study and career development consistent with her or his previous research and clinical experience. For example, a candidate with limited experience in a given field of research may find a phased developmental program lasting five years that includes a designated period of didactic training followed by a period of closely supervised research experience the most efficient means of attaining independence. A candidate with previous research experience and training may not require extensive additional didactic preparation and a program that focuses on an intensive, supervised patient-oriented research experience may be appropriate. All programs must be tailored to meet the individual needs of the candidate ensuring that he/she will gain the skills and knowledge necessary to carry out high quality patient-oriented research. The candidate and the mentor are jointly responsible for the preparation of the plan for this program. The sponsor may form an advisory committee to assist with the development of a program of study or to monitor the candidate's progress through the career development program. The didactic and research components of both phases must develop new knowledge and research skills in scientific areas relevant to the career goals of the candidate. While the focus of the career development program is on the conduct of patient-oriented research, there can be complementary laboratory research directly related to the patient-oriented research proposed in the application.

C. Mentor(s): Candidates must name a primary sponsor (or mentor), who together with the applicant is responsible for the planning, direction, and execution of the program. The mentor should be recognized as an accomplished investigator in the proposed research area and have a track record of success in training independent investigators. The mentor should have sufficient independent research support to cover the costs of the proposed research project in excess of the allowable costs of this award. Candidates may also nominate co-mentors as appropriate to the goals of the program. Where feasible, women, minority individuals and individuals with disabilities should be involved as mentors to serve as role models.

D. Allowable Costs:

1. Salary: The NIH will provide salary and fringe benefits for the career award recipient. The total salary requested must be based on a full-time, 12-month staff appointment. It must be consistent both with the established salary structure at the institution and with salaries actually provided by

the institution from its own funds to other staff members of equivalent qualifications, rank, and responsibilities in the department concerned. If full-time, 12-month salaries are not currently paid to comparable staff members, the salary proposed must be appropriately related to the existing salary structure.

Most NIH awarding components will provide up to \$75,000 to offset the full-time salary requirements of the candidate. But, salary limits on career awards are not uniform throughout the NIH and in some cases may vary. And, in exceptional circumstances, individual NIH awarding components may be able to make exceptions to their stated maximum levels provided the total salary does not exceed the current legislated maximum (\$125,900 in Fiscal 1999). Therefore, prospective candidates should contact the NIH component to which the application is targeted to ascertain the maximum contribution to the candidate's salary.

The institution may supplement the NIH salary contribution up to a level that is consistent with the institution's salary scale; however, supplementation may not be from Federal funds unless specifically authorized by the Federal program from which such funds are derived. Because the salary amount provided by this award is based on the full-time institutional salary, no other PHS funds may be used for salary supplementation. Institutional supplementation of salary must not require extra duties or responsibilities that would interfere with the purpose of the K23. Under expanded authorities, however, institutions may rebudget funds within the total costs awarded to cover salaries consistent with the institution's salary scale.

2. Research Development Support: The NIH will provide generally up to \$25,000 per year for the following expenses: (a) tuition, fees, and books related to career development; (b) research expenses, such as supplies, equipment and technical personnel; (c) travel to research meetings or training; (d) statistical services including personnel and computer time. In exceptional cases, the Research Development Support costs may be as high as \$50,000, but such costs will only be awarded in those cases where the need for such higher costs is well documented and adequately justified. Prospective candidates should contact the NIH component to which the application is targeted to ascertain the maximum contribution for research and development support.

3. Ancillary Personnel Support: Salary for mentors, secretaries and administrative assistants is not allowed.

4. Facilities and Administrative Costs: These costs, which were formerly called indirect costs, will be reimbursed at 8 percent of modified total direct costs.

E. Evaluation: In carrying out its stewardship of human resource related programs, the NIH may begin requesting information essential to an assessment of the effectiveness of this program. Accordingly, recipients are hereby notified that they may be contacted after the completion of this award for periodic updates on various aspects of their employment history, publications, support from research grants or contracts, honors and awards, professional activities, and other information helpful in evaluating the impact of the program.

F. Other Income: Fees resulting from clinical practice, professional consultation, or other comparable activities required by the research and research-related activities of this award may not be retained by the career award recipient. Such fees must be assigned to the grantee institution for disposition by any of the following methods:

- o The funds may be expended by the grantee institution in accordance with the NIH policy on supplementation of career award salaries and to provide fringe benefits in proportion to such supplementation. Such salary supplementation and fringe benefit payments must be within the established policies of the grantee institution.

- o The funds may be used for health-related research purposes.

- o The funds may be paid to miscellaneous receipts of the U.S. Treasury. Checks should be made payable to the Department of Health and Human Services, NIH and forwarded to the Director, Office of Financial Management, NIH, Bethesda, Maryland 20892. Checks must identify the relevant award account and reason for the payment.

- o Awardees may retain royalties and fees for activities such as scholarly writing, service on advisory groups, or honoraria from other institutions for lectures or seminars, provided these activities remain incidental and provided that the retention of such pay is consistent with the policies and practices of the grantee institution.

Usually, funds budgeted in an NIH supported research or research training grant for the salaries or fringe benefits of individuals, but freed as a result of a career award, may not be rebudgeted. The awarding component will give consideration to approval for the use of released funds only under unusual circumstances. Any proposed retention of funds released as a result of a career award must receive prior written approval of the NIH awarding component.

G. Special Leave: Leave to another institution, including a foreign laboratory may be permitted if the proposed experience is directly related to the purpose of the award. Only local, institutional

approval is required if such leave does not exceed 3 months. For longer periods, prior written approval of the NIH funding component is required. To obtain prior approval, the award recipient must submit a letter to the NIH funding component describing the plan, countersigned by his or her department head and the appropriate institutional official. A copy of a letter or other evidence from the institution where the leave is to be taken must be submitted to assure that satisfactory arrangements have been made. Support from the career award will continue during such leave.

Leave without award support may not exceed 12 months. Such leave requires the prior written approval of the NIH funding component and will be granted only in unusual situations. Support from other sources is permissible during the period of leave. Such leave does not reduce the total number of months of program support for which an individual is eligible.

Under unusual and pressing circumstances, an awardee may submit a written request to the awarding component, requesting a reduction in professional effort below 75 percent. Such requests will be considered on a case-by-case basis during the award period. In no case, will it be permissible to work at a rate of less than 50 percent effort. The nature of the circumstances requiring reduced effort might include medical conditions, disability, or pressing personal or family situations such as child or elder care. Permission to reduce the level of effort will not be approved to accommodate other sources of funding, job opportunities, clinical practice, or clinical training. In each situation, the grantee institution must submit documentation supporting the need for reduced effort along with assurance of a continuing commitment to the scientific development of the awardee. Further, the awardee must submit assurance of his or her intention to return to full-time professional effort (at least 75 percent) as soon as possible. During the period of reduced effort, the salary and other costs supported by the award will be reduced accordingly.

H. Termination or Change of Institution: When a grantee institution plans to terminate an award, the NIH funding component must be notified in writing at the earliest possible time so that appropriate instructions can be given for termination. The Director of the NIH may discontinue an award upon determination that the purpose or terms of the award are not being fulfilled. In the event an award is terminated, the Director of the NIH shall notify the grantee institution and career award recipient in writing of this determination, the reasons therefore, the effective date, and the right to appeal the decision.

Awardees planning a change of institution, must submit to the funding NIH component in advance of the change a written request for transfer, countersigned by the appropriate institutional business official, describing the reasons for the change and including the new sponsor's name and biosketch. The awardee must establish in this request that the specific aims of the research

program to be conducted at the new institution are within the scope of the original peer reviewed research program. Additionally, the new sponsor must have the appropriate research expertise to supervise the program and sufficient research support to ensure continuation of the research program to the end of the award (initial award). Staff within the NIH funding component will review this request and may require a review by an initial review group and/or the appropriate national advisory council or board. Upon approval of this request, a new career award application must be submitted by the new institution far enough in advance of the requested effective date to permit review. The period of support requested in the new application must be no more than the time remaining within the existing award period.

When a mentor at the grantee institution is to be replaced, the institution must submit a letter from the proposed mentor documenting the need for substitution, the new mentor's qualifications for supervising the program, and the level of support for the candidate's career development. The letter must also document that the specific aims of the research program will remain within the scope of the original peer reviewed research program. Staff within the NIH funding component will review the request, and will notify the grantee institution of the results of the evaluation.

A final progress report, invention statement, and Financial Status Report are required upon either termination of an award or relinquishment of an award in a change of institution situation.

#### INCLUSION OF WOMEN AND MINORITIES IN RESEARCH INVOLVING HUMAN SUBJECTS

It is the policy of the NIH that women and members of minority groups and their subpopulations must be included in all NIH supported biomedical and behavioral research projects involving human subjects, unless a clear and compelling rationale and justification is provided that inclusion is inappropriate with respect to the health of the subjects or the purpose of the research. This policy results from the NIH Revitalization Act of 1993 (Section 492B of Public Law 103-43).

All investigators proposing research involving human subjects should read the "NIH Guidelines For Inclusion of Women and Minorities as Subjects in Clinical Research," which have been published in the Federal Register of March 28, 1994 (FR 59 14508-14513) and in the NIH Guide for Grants and Contracts, Vol. 23, No. 11, March 18, 1994 available on the web at the following URL address: <http://grants.nih.gov/grants/guide/notice-files/not94-100.html>

#### INCLUSION OF CHILDREN AS PARTICIPANTS IN RESEARCH INVOLVING HUMAN SUBJECTS

It is the policy of NIH that children (i.e., individuals under the age of 21) must be included in all human subjects research, conducted or supported by the NIH, unless there are scientific and ethical reasons not to include them. This policy applies to all initial (Type 1) applications submitted for receipt dates after October 1, 1998.

All investigators proposing research involving human subjects should read the "NIH Policy and Guidelines on the Inclusion of Children as Participants in Research Involving Human Subjects" that was published in the NIH Guide for Grants and Contracts, March 6, 1998, and is available at the following URL address: <http://grants.nih.gov/grants/guide/notice-files/not98-024.html>

Investigators also may obtain copies of these policies from the program staff listed under INQUIRIES. Program staff may also provide additional relevant information concerning the policy.

#### APPLICATION PROCEDURES

Potential candidates are strongly encouraged to contact the staff person in the relevant institute or center listed under INQUIRIES. Such contact should occur early in the planning phase of application preparation. Such contact will help ensure that applications are responsive to the goals and policies of the individual institute or center.

Applicants who will be using the resources within a General Clinical Research Center (GCRC) during the course of the award are requested to include a letter of agreement from either the GCRC program director or the principal investigator with the application.

Applications are to be prepared using Section IV of the grant application form PHS 398 (rev. 4/98). Applications will be accepted on or before the receipt dates indicated in the application kit. Forms are available at most institutional offices of sponsored research and from the Division of Extramural Outreach and Information Resources, National Institutes of Health, 6701 Rockledge Drive, MSC 7910, Bethesda, MD 20892-7910, Phone (301) 435-0714, FAX: (301) 480-0525, Email: [GrantsInfo@nih.gov](mailto:GrantsInfo@nih.gov).

Forms are also available on the NIH Website at <http://grants.nih.gov/grants/funding/phs398/phs398.html>

To identify the application as a response to this program announcement, check "YES" on item 2 of page 1 of the application and enter "PA-00-004 MENTORED PATIENT-ORIENTED RESEARCH CAREER DEVELOPMENT AWARD."

Submit a signed, typewritten original of the application with Checklist, and five signed photocopies, in one package to:

CENTER FOR SCIENTIFIC REVIEW  
NATIONAL INSTITUTES OF HEALTH  
6701 ROCKLEDGE DRIVE, ROOM 1040 - MSC 7710  
BETHESDA, MD 20892-7710  
BETHESDA, MD 20817-7710 (for express/courier service)

The application must contain the following:

#### Candidate

- o A description of the candidate's commitment to a career in patient-oriented research.
- o Evidence of the candidate's potential to develop into an independent investigator.
- o A description of immediate and long-term career objectives, explaining how the award will contribute to their attainment.
- o A commitment of at least 75 percent effort to the clinical research program.
- o Three sealed letters of recommendation addressing the candidate's potential for a research career. The mentor's statement (see below) must not be included as one of the letters of recommendation.

#### Career Development Plan

- o A description of the career development plan, incorporating consideration of the candidate's goals and prior experience. It must describe a systematic plan to obtain the necessary theoretical and conceptual background, in addition to the research experience and skills, necessary to launch an independent career in clinical research. Candidates must describe the availability of courses such as research design, biostatistics, epidemiology, and ethical and regulatory issues at

their institution and the integration of these studies into their career development plan. Less experienced candidates may require a phased developmental period in which the first one to two year(s) of the award are largely of a didactic nature followed by a period of intense, supervised research experience. Candidates with more experience at the time of application may need a shorter didactic period and may already have an adequate theoretical background. In any case, the career development plan must be specifically tailored to the needs of the individual candidate and the ultimate goal of achieving independence as a clinical researcher.

#### Training in the Responsible Conduct of Research

- o Candidates must describe plans to receive instruction in the responsible conduct of research. These plans must detail the proposed subject matter, format, frequency, and duration of instruction. No award will be made if an application lacks this component.

#### Research Plan

- o A description of the clinical research plan. The research plan must be described as outlined in form PHS 398 including sections on the Specific Aims, Background and Significance, Progress Report/Preliminary Studies, Research Design and Methods. The candidate should consult with the mentor regarding the development of this section.

#### Mentor's Statement

- o The application must include a statement from the mentor including information on his or her qualifications in the research area proposed by the candidate and previous experience as a research supervisor. The application must also include information to describe the nature and extent of supervision that will occur during the proposed award period.
- o Similar information must be provided by any co-mentor. If more than one mentor is proposed, the respective areas of expertise and responsibility should be described.

#### Environment and Institutional Commitment

- o The sponsoring institution must document a strong, well-established research and training program related to the candidate's area of interest including a high-quality research environment with staff capable of productive collaboration with the candidate. The sponsoring institution must provide a statement of commitment to the candidate's development into a productive,

independent investigator. The institutional statement also must commit to provision of release time from normal clinical, teaching or administrative duties necessary to meet the 75% effort requirement of this award.

#### Budget

o The total direct costs requested must be consistent with this K23 program announcement and the award limits of the NIH funding component. Applicants seeking information on award limits should contact the likely funding component listed in the INQUIRIES section of this program announcement.

#### REVIEW CONSIDERATIONS

Applications will be reviewed for completeness by the Center for Scientific. Incomplete applications will be returned to the applicant without further consideration. Applications that are complete will be evaluated for scientific and technical merit by a peer review group convened by the sponsoring NIH Institute/Center or by the NIH Center for Scientific Review in accordance with the standard NIH peer review procedures. As part of the initial merit review, all applications will receive a written critique.

Applications may undergo a streamlined review process. In this process, only those applications deemed to have the highest scientific merit, generally the top half of applications under review, will be discussed, assigned a priority score, and receive a second level review by the appropriate national advisory council or board.

The following review criteria will be applied:

#### Candidate

- o Quality of the candidate's academic and clinical record,
  
- o Potential to develop as an independent clinical researcher focusing on patient-oriented research;
  
- o Commitment to a career in patient-oriented research.

#### Career Development Plan

- o Likelihood that the career development plan will contribute substantially to the scientific development of the candidate;
- o Appropriateness of the content and duration of the proposed didactic and research phases of the award; and
- o Consistency of the career development plan with the candidate's career goals and prior research experience.

#### Training in the Responsible Conduct of Research

- o Quality of the proposed training in responsible conduct of research.

#### Research Plan

Reviewers recognize that an individual with limited research experience is less likely to be able to prepare a research plan with the breadth and depth of that submitted by a more experienced investigator. Nevertheless, a fundamentally sound research plan must be provided. For candidates who require substantial didactic training as part of their program, the research plan may cover less than the full period of the award.

- o Scientific and technical merit of the research question, design and methodology;
- o Relevance of the proposed research to the candidate's career objectives; and
- o Appropriateness of the research plan to the stage of research development and as a vehicle for developing the research skills as described in the career development plan;
- o Adequacy of the plan's attention to gender and minority issues associated with projects involving human subjects.
- o Adequacy of plans for including children, as appropriate, for the scientific goals of the research, or justification for exclusion.

#### Mentor/Co-Mentor

- o Appropriateness of mentor(s) research qualifications in the area of this application;

- o Quality and extent of mentor's proposed role in providing guidance and advice to the candidate;
- o Previous experience in fostering the development of more junior researchers;
- o History of research productivity and support; and
- o Adequacy of support for the proposed research project.

#### Environment and Institutional Commitment

- o Adequacy of research facilities and the availability of appropriate educational opportunities;
- o Quality and relevance of the environment for scientific and professional development of the candidate;
- o Applicant institution's commitment to the scientific development of the candidate and assurances that the institution intends the candidate to be an integral part of its research program; and
- o Applicant institution's commitment to an appropriate balance of research and clinical responsibilities including the commitment of 75 percent of the candidate's effort to research and research related activities.

#### Budget

- o Justification of the requested budget in relation to career development goals and research aims.

#### AWARD CRITERIA

Funding decisions will be made based on the recommendations of the initial review group and Advisory Council/Board, the need for research personnel in specific program areas, and the availability of funds.

#### INQUIRIES

Written and telephone inquiries concerning this program announcement are strongly encouraged especially during the planning phase of the application. Below is a listing of each institute's or center's program contact.

Direct inquiries regarding programmatic issues to:

National Institute on Aging

Additional information about the career awards program at NIA is available from:

<http://www.nih.gov/nia/>

Dr. Robin A. Barr

Office of Extramural Affairs

7201 Wisconsin Avenue, Room 2C218, MSC 9205

Bethesda, MD 20892-9205

Telephone: (301) 496-9322

FAX: (301) 402-2945

Email: [rb42h@nih.gov](mailto:rb42h@nih.gov)

National Institute on Alcohol Abuse and Alcoholism

Ernestine Vanderveen, Ph.D.

Division of Basic Research, NIAAA

6000 Executive Boulevard, Suite 402, MSC 7003

Bethesda, MD 20892-7003

Telephone: 301-443-2531

Fax: 301-594-0673

E-mail: [tvanderv@willco.niaaa.nih.gov](mailto:tvanderv@willco.niaaa.nih.gov)

Harold I. Perl, Ph.D.

Division of Clinical and Prevention Research, NIAAA

6000 Executive Boulevard, Suite 505, MSC 7003

Bethesda, MD 20892-7003

Telephone: 301-443-0788

Fax: 301-443-8774

E-mail: [hperl@willco.niaaa.nih.gov](mailto:hperl@willco.niaaa.nih.gov)

Vivian B. Faden, Ph.D.

Division of Biometry and Epidemiology, NIAAA

6000 Executive Boulevard, Suite 514, MSC 7003

Bethesda, MD 20892-7003

Telephone: 301-594-6232

Fax: 301-443-8614

E-mail: [vfaden@willco.niaaa.nih.gov](mailto:vfaden@willco.niaaa.nih.gov)

National Institute of Allergy and Infectious Diseases

Dr. Milton Hernandez

Office of Scientific Training and Manpower Development

Solar Building, Room 3C21

Bethesda, MD 20892

Telephone: (301) 496-7291

FAX: (301) 402-0369

Email: [mh35c@nih.gov](mailto:mh35c@nih.gov)

National Institute on Arthritis and Musculoskeletal and Skin Diseases

Richard W. Lymn, Ph.D.

Research Training Officer

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Building 45, Room 5AS-49E

Bethesda, MD 20892-6500

Telephone: (301) 594-5128

FAX: (301) 480-4543

Email: [richard\\_w\\_lymn@nih.gov](mailto:richard_w_lymn@nih.gov)

National Cancer Institute

Dr. Lester S. Gorelic or Dr. Andrew Vargosko

National Cancer Institute

Office of the Deputy Director for Extramural Sciences

Office of Centers, Training and Resources

Executive Plaza North, Room 520, MSC 7390

Bethesda, MD 20892-7390

Telephone: (301) 496-8580

FAX: (301) 402-4472

Email: [lg2h@nih.gov](mailto:lg2h@nih.gov) or [av8b@nih.gov](mailto:av8b@nih.gov)

The following paragraph added 10-05-01.

Individuals conducting mentored, patient-oriented research in the cancer prevention, control, behavioral or the population sciences should refer to the NCI's specialized use of the K07, the "Prevention, Control, Behavioral and Population Sciences Career Development Award." For information on this award please contact Dr. Maria Agelli, [ma215e@nih.gov](mailto:ma215e@nih.gov).

National Institute of Child Health and Human Development

Steven L. Klein, Ph.D.

Developmental Biology, Genetics & Teratology Branch

Building 6100, Room 4B01 MSC 7510

Bethesda, MD 20892-7510

Telephone: 301-496-5541

FAX: 301-480-0303

Email: [KleinS@Exchange.nih.gov](mailto:KleinS@Exchange.nih.gov)

National Institute on Deafness and Other Communication Disorders

Daniel A. Sklare, Ph.D.

Division of Human Communication

Executive Plaza South, Room 400C-13

6120 Executive Blvd., MSC 7180

Bethesda, MD 20892-7180

Telephone: (301) 496-1804

FAX: (301) 402-6251

Email: [Daniel\\_Sklare@nih.gov](mailto:Daniel_Sklare@nih.gov)

National Institute of Dental and Craniofacial Research

Additional information about NIDCR career development programs can be found at

<http://www.nidcr.nih.gov/resarch/career.htm>.

Dr. James A. Lipton

Assistant Director for Training and Career Development

Natcher Building, Room 4AN.18J

Bethesda, MD 20892-6402

Telephone: (301) 594-2618

FAX: (301) 480-8319

Email: [liptonj@de45.nidcr.nih.gov](mailto:liptonj@de45.nidcr.nih.gov)

National Institute of Diabetes and Digestive and Kidney Diseases

Ronald Margolis, Ph.D.  
Division of Diabetes, Endocrinology, and Metabolic Diseases  
45 Center Drive, Room 5AN-12J, MSC 6600  
Bethesda, MD 20892-6600  
Telephone: (301) 594-8819  
FAX: (301) 480-3503  
Email: [margolisr@extra.niddk.nih.gov](mailto:margolisr@extra.niddk.nih.gov)

Charles Rodgers, Ph.D.  
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National Institute of Environmental Health Sciences

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National Eye Institute  
Additional information about NEI career development programs can be found at  
<http://www.nei.nih.gov/funding/funding.htm>.

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#### National Institute of General Medical Sciences

The National Institute of General Medical Sciences (NIGMS) will accept applications for the Mentored Clinical Scientist Development Award (K08) in the areas of anesthesiology, clinical pharmacology, and trauma and burn injury research. NIGMS will offer the K08 award to support the development of academic physicians (or individuals with comparable clinical training) into scientists capable of outstanding laboratory research, clinical research, or a combination of both. The candidate must be in a tenure track or equivalent position at the time of award. The application should clearly indicate that the candidate has sufficient resources available to perform the research. Such resources may be provided by the mentor, the institution, or both. If significant support is derived from the mentor, then the application should indicate how the candidate will ultimately gain independence. The candidate must provide evidence of having a broad understanding of the theoretical aspects of basic or clinical science, attained prior to or during the course of this award, along with a defined plan for career development. Applicants are strongly encouraged to contact one of the following early in the preparation of an application:

Alison E. Cole, Ph.D.

Anesthesiology Program

Division of Pharmacology, Physiology and Biological Chemistry

45 Center Drive, Room 2AS-49K, MSC 6200

Bethesda, MD 20892-6200

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FAX: (301) 480-2802

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Rochelle M. Long, Ph.D.

Clinical Pharmacology Program

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Scott D. Somers, Ph.D.

Trauma and Burn Injury Program

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For questions about grants management, contact:

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Grants Management Officer

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National Heart, Lung, and Blood Institute

Beth Schucker, M.A.

Division of Heart and Vascular Diseases

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National Institute of Mental Health

NIMH strongly encourages prospective applicants and grantees to visit the NIMH

Research Training and Career Development Programs Website

<http://www.nimh.nih.gov/grants/training.cfm> to obtain information about policies, program priorities and program staff contacts. Specific information about NIMH policy for career awards, salary and research support, etc., can be found in the following document: "NIMH Policy Update for Career Awards (K-Series)" which will periodically be updated in the Research Training and Career Development Website.

Henry Khachaturian, Ph.D.

Office of Science Policy and Program Planning

National Institute of Mental Health

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National Institute of Mental Health

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Walter Goldschmidts, Ph.D.

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National Institute of Neurological Disorders and Stroke  
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Email: [jd66x@nih.gov](mailto:jd66x@nih.gov)

National Institute of Nursing Research  
NINR limits the length of the K23 award to a 3-year period and generally considers career development applications only from doctorally prepared, registered nurses. Potential applicants are strongly encouraged to contact the Program Director responsible for their research area as listed on the NINR website. Additional information about NINR funding mechanisms is available from <http://www.nih.gov/ninr/>

Dr. Nell Armstrong  
Office of Extramural Programs  
National Institute of Nursing Research  
Building 45, Rm. 3AN-12

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Fax: 301-480-8260  
E-mail: [nell\\_armstrong@nih.gov](mailto:nell_armstrong@nih.gov)

National Center for Complementary and Alternative Medicine  
Additional information about CAM research and training programs may be found on the NCCAM website at <http://altmed.od.nih.gov/>

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E-mail: [westn@od.nih.gov](mailto:westn@od.nih.gov)

National Center for Research Resources  
NCRR will accept applications for the K23 award from individuals with a M.D., D.D.S., or an equivalent degree. Candidates must also meet additional requirements related to their relationship to one of NCRR's existing General Clinical Research Centers (GCRC). Additional information about eligibility and assignment of K23 applications to NCRR, can be found at [http://www.ncrr.nih.gov/clinical/cr\\_crcd.asp](http://www.ncrr.nih.gov/clinical/cr_crcd.asp) and refer to Clinical Research: Other Grant Programs, Mentored Patient-Oriented Research Career Development Award (K23).

Applicants who intend to use the research infrastructure of a GCRC, and wish to designate NCRR for primary assignment in response to this program announcement, should submit a cover letter with their application which states this assignment preference.

David Wilde, M.D., Ph.D.  
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## AUTHORITY AND REGULATIONS

This program is described in the Catalog of Federal Domestic Assistance Nos. 93.855 and 93.856. Awards are made under the authority of title III, Section 301 of the PHS Act as amended. The Code of Federal Regulations, Title 42 Part 52 and Title 45 Part 74, are applicable to this program. This program is not subject to the intergovernmental review requirements of Executive Order 12372 to Health Systems Agency review.

The PHS strongly encourages all grant and contract recipients to provide a smoke-free workplace and promote the non-use of all tobacco products. In addition, Public Law 103-227, the Pro-Children Act of 1994, prohibits smoking in certain facilities (or in some cases, any portion of a facility) in which regular or routine education, library, day care, health care or early childhood development services are provided to children. This is consistent with the PHS mission to protect and advance the physical and mental health of the American people.

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