

MENTORED PATIENT-ORIENTED RESEARCH CAREER DEVELOPMENT AWARD

Release Date: April 6, 1998

PA NUMBER: PA-98-052

P.T.

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 on Dental Research
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute on Drug Abuse
National Institute of Environmental Health Sciences
National Institute of Nursing Research
National Eye Institute
National Heart, Lung, and Blood Institute
National Institute of Mental Health
National Institute of Neurological Disorders and Stroke
Office of Alternative Medicine

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

THIS PROGRAM ANNOUNCEMENT (PA) USES THE "JUST IN TIME" CONCEPT (as described in the NIH Guide for Grants and Contracts, Vol. 25, No. 10, March 29, 1996 and Vol. 25, No. 26, May 17, 1996). IT INCLUDES DETAILED MODIFICATIONS TO STANDARD APPLICATION INSTRUCTIONS THAT MUST BE USED WHEN PREPARING APPLICATIONS IN RESPONSE TO THIS PA.

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 a period of supervised study and research for clinically trained professionals who have the potential to develop into productive, clinical investigators focussing on patient-oriented research.

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 scientists trained to conduct high-quality 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. The Mentored Patient-oriented Research Career Development Award is intended to increase the availability of high-quality, multi-disciplinary didactic training so that candidates interested in clinical research will be well grounded in research on human subjects. At the completion of the award, candidates should have both the knowledge and the skills necessary to compete for independent research support. 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:

- encourage research-oriented clinicians to develop independent research skills and gain experience in advanced methods and experimental approaches that will allow them to conduct patient-oriented research
- 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

The Mentored Patient-Oriented Research Career Development Award provides research development opportunities for clinicians with varying levels of research experience, who are committed to developing into independent clinical investigators. This Award will enable

candidates holding clinical degrees (see under ELIGIBILITY REQUIREMENTS below) to undertake up to five years (a minimum of three years) of special study and supervised research with the goal of developing into independent investigators capable of conducting patient-oriented research. While the focus of the development program is on the conduct of patient-oriented research, there can be complementary appropriate laboratory research directly related to the patient-oriented research proposed in the application.

Because of the focus on a progression to independence as a researcher, the prospective candidate for the Mentored Patient-Oriented Research Career Development Award 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 for five years that includes a designated period of didactic training together with a closely supervised research experience the most efficient means of attaining independence. A candidate with previous research experience may require a program with appropriate patient-oriented research and complementary laboratory research related to the patient-oriented research for the transition to independence. All programs should be carefully tailored to meet the individual needs of the candidate and must include a mentor(s) who is competent to provide the appropriate research guidance.

HEALTHY PEOPLE 2000

The Public Health Service 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 PA, Mentored Patient-oriented Research Career Development Award, is related to the priority area of human resource development. Potential candidates may obtain a copy of "Healthy People 2000" (Full Report: Stock No. 017-001-00474-0 or Summary Report: Stock No.017-001-00473-1) from the Superintendent of Documents, Government Printing Office, Washington, DC 20402-9325 (telephone 202/512-1800) or electronically (<http://odphp.osophs.dhhs.gov/pubs/hp2000>).

ELIGIBILITY REQUIREMENTS

Candidates must have a clinical degree or its equivalent: M.D., D.D.S., D.M.D., D.O., D.C., O.D., N.D. (Doctor of Naturopathy), and doctorally prepared nurses. In addition, individuals holding the Ph.D. degree may apply for the award if they have been certified to perform clinical duties, such as a clinical psychologist, clinical geneticist, etc. Candidates must have also 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.

Former principal investigators on NIH research project (R01), FIRST Awards (R29), SBIR/STTR awards, sub-projects of program project (P01) or center grants (P50), K08 awards, or the equivalent, are not eligible. Former principal investigators of an NIH Small Grant (R03) or Exploratory/Developmental Grants (R21) remain eligible. A candidate for the Mentored Patient-oriented Research Career Development Award may not concurrently apply for any other PHS award that duplicates the provisions of this award nor have another application pending award. Mentored Patient-oriented Research Career Development Award recipients are strongly encouraged to apply for independent research grant support, either Federal or private, during the latter period of this award. However, since the K23 is a full professional effort award, time doing research is subsumed under the salary support already provided.

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. Specific K23 application instructions have been modified to reflect "JUST IN TIME" streamlining efforts being examined by the NIH. "JUST IN TIME" postpones the collection of certain information that currently must be included in all competing applications when submitted. The "JUST IN TIME" concept allows applicants to submit certain information only when there is a possibility for an award. It is anticipated that these changes will reduce the administrative burden for the applicants, applicant institutions, reviewers, and NIH staff.

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 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 other clinical, teaching, or other research pursuits consonant 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.

C. Mentor(s): The recipient must receive appropriate mentoring throughout the duration of the program. Where feasible, women, minority individuals and individuals with disabilities should be involved as mentors and serve as role models. Candidates must name a primary mentor, who together with the applicant is responsible for planning, direction, and execution of the program. Candidates may also nominate additional mentors as appropriate to the goals of the program.

D. Allowable Costs:

1. Salary: The NIH will provide salary for the award recipient of up to \$75,000 per year plus commensurate fringe benefits for a minimum of 75 percent effort. Although a greater effort may

be proposed, the maximum allowable salary is \$75,000. The institution may supplement the NIH contribution with non-Federal funds up to a level that is consistent with the institution's salary scale. Institutional supplementation of salary must not require extra duties or responsibilities that would interfere with the purpose of the award. In exceptional cases, if the Institution's salary structure exceeds the maximum allowable salary of \$75,000, NIH may be able to make case by case adjustments, either in the initial salary or the salary in future years. Applicant Institutions should request such an exception as part of the JUST IN TIME process when it is known there is a possibility for an award.

Direct salary is exclusive of fringe benefits and facilities and administrative costs. 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.

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.

3. Ancillary Personnel Support: Salary for mentors, secretarial, and administrative assistance etc., is not allowed.

4. Facilities and Administrative costs: These 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 request 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:

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 benefits payments must be within the established policies of the grantee institution.

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

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, Division of Financial Management, NIH, Bethesda, Maryland 20892. Checks must identify the relevant award account and reason for the payment.

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 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 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. Parental leave will be granted consistent with the policies of the NIH and the grantee institution.

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. If the individual is moving to another eligible institution, career award support may be continued provided:

A new career award application is submitted by the new institution;

All conditions of the award are met at the new institution including the presence of a qualified mentor;

The period of support requested is no more than the time remaining within the existing award period; and

The new application is submitted far enough in advance of the requested effective date to allow the necessary time for review.

The funding component may require a review by an initial review group and/or the appropriate National Advisory Council or Board. Alternatively, review may be carried out by staff within the NIH funding component depending upon the circumstances.

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 therefor, the effective date, and the right to appeal the decision.

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

For research projects 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 has been published in the Federal Register of March 28, 1994 (FR 59 14508-14513), and in the NIH GUIDE FOR GRANTS AND CONTRACTS of March 18, 1994, Vol. 23, No 11. It is also available electronically at <http://www.nih.gov/grants/guide/notice-files/not94-100.html>

Investigators may obtain copies from these sources or from the program staff or contact person listed below. Program staff may also provide additional relevant information concerning the policy.

NIH POLICY AND GUIDELINES ON THE 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 NIH, unless there are scientific and ethical reasons not to include them. This policy applies to all applications submitted in response to this Program Announcement. 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://www.nih.gov/grants/guide/notice-files/not98-024.html>

As part of the scientific and technical merit evaluation of the research plan, reviewers will be instructed to address "the adequacy of plans for including children as appropriate for the scientific goals of the research, or justification for exclusion.

APPLICATION PROCEDURES

This is an NIH-wide program announcement for Mentored Patient-oriented Research Career Development Award. Therefore, all 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 a General Clinical Research Center(GCRC) 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 submitted on the grant application form PHS 398 (rev. 5/95 use the instructions in Section IV as appropriate) and 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: asknih@od.nih.gov. Forms are also available on the NIH Website at <http://www.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-98-052 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 (formerly Division of Research Grants)
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) should not be included as one of the letters of recommendation, although the mentor(s) may submit a separate letter(s) 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, necessary to launch an independent research career. 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 developmental period and may already have an adequate theoretical background. In any case, the career development plan must be tailored to the needs of the individual candidate and the ultimate goal of achieving independence as a clinical researcher.

- 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 information on the mentor(s) including information on research 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.

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 also must provide a statement of commitment to the candidate's development into a productive, independent investigator.

Budget Instructions

The total direct costs must be requested in accordance with the K23 program guidelines, following the budget instructions described below.

- o Face page-As a reminder, Item 7 should be completed to indicate direct costs requested and Item 8 should reflect total costs (direct plus Facilities and administrative).
- o Detailed Budget for Initial Budget Period - Do not complete form page 4 of the PHS 398 (rev. 5/95). It is not required nor will it be accepted at the time of application. In some cases it may be requested prior to award.
- o Budget for Entire Proposed Period of Support - Do not complete the categorical budget table on form page 5 in the PHS 398 (rev. 5/95). Only the requested total direct costs for each year and total direct costs for the entire proposed period of support should be shown.
- o Begin the budget justification in the space provided, using continuation pages as needed.

List the name, role on project and percent effort for all project personnel (salaried or unsalaried) and provide a narrative justification for each person based on his/her role on the project and proposed level of effort.

Identify all consultants by name and organizational affiliation and describe the services to be performed.

Provide a narrative justification for any major budget items, other than personnel, that are requested for the conduct of the project that would be considered unusual for the scope of research. No specific costs for items or categories should be shown.

Facilities and administrative costs will be calculated at the time of the award using the 8% rate. Applicants will be asked to identify any exclusions prior to award.

If consortium/contractual costs are requested, provide the percentage of the subcontract total costs (direct plus facilities and administrative) relative to the total direct costs of the overall project. The subcontract budget justification should be prepared following the instructions provided above.

Biographical Sketch

A biographical sketch is required for all key personnel, following the modified instructions below. Do not exceed the two-page limit for each person.

- o Complete the education block at the top of the form page;
- o List current position(s) and those previous positions directly relevant to the application;
- o List selected peer-reviewed publications directly relevant to the proposed project, with full citation;
- o Provide information on research projects completed and/or research grants participated in during the last five years that are relevant to the proposed project. Title, principal investigator, funding source, and role on project must be provided.

Other Support

Do not complete the other support page (format page 7 of the PHS 398 (rev.5/95)). Information on active support for key personnel will be requested prior to award. A completed checklist will be required prior to award.

REVIEW CONSIDERATIONS

Applications will be reviewed for completeness by the Center for Scientific Review and for responsiveness to this program announcement by the appropriate Institute or Center staff. Incomplete or non-responsive applications will be returned to the applicant without further consideration. Applications that are complete and responsive to the program announcement will be evaluated for scientific and technical merit by a peer review group convened by the appropriate Institute/Center in accordance with the standard NIH peer review procedures. As part of the initial merit review, all applications will receive a written critique and undergo a process in which 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 focussing 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;
- o Consistency of the career development plan with the candidate's career goals and prior research experience; and
- 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. Although it is understood that K23 applications do not require the level of detail necessary in regular research grant applications, a fundamentally sound research plan must be provided. In general, less detail is expected with regard to research planned for the later years of the award, but the application should outline the general goals for these years.

- 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 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 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

- 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 researchers; and
- o History of research productivity and support.

Environment and Institutional Commitment

- 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;

- 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; and
- o Applicant institution's commitment to an appropriate balance of research and clinical responsibilities.

Budget

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

AWARD CRITERIA

Applications will be assigned to an Institute or Center based on referral guidelines. The Institute or Center will notify the applicant of the Advisory Board or Council's action shortly after its meeting. 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. The NIH policy on submission of revised (amended) applications limits the number of such amended applications to two.

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:

Mary D. Leveck, Ph.D., R.N.
Scientific Program Administrator
National Institute of Nursing Research
Building 45, Room 3AN-12
Bethesda, MD 20892-6300
Telephone: (301) 594-5963
FAX: (301) 480-8260

Email: mary_leveck@nih.gov

James A. Lipton, DDS, Ph.D.
National Institute of Dental Research
Natcher Building, Room 4AN-18J
Bethesda, MD 20892-6402
Telephone: (301) 594-2618 or 594-7710
FAX: (301) 480-8318
Email: liptonj@de45.nidr.nih.gov

Maria Y. Giovanni, Ph.D.
Research Training Officer
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6120 Executive Boulevard, Suite 350
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Andrea Baruchin, Ph.D.
Office of Science Policy and Communication
National Institute on Drug Abuse
Parklawn Building, Room 10A 55
Rockville, MD 20857
Telephone: (301) 443-6071
FAX: (301) 443-6277
Email: abaruchi@ngmsmtp.nida.nih.gov

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National Institute on Alcohol Abuse and Alcoholism
6000 Executive Boulevard
Bethesda, MD 20892-7003
Telephone: (301) 443-1206
FAX: (301) 443-8774
Email: rfuller@willco.niaaa.nih.gov

Daniel A. Sklare, Ph.D.
Division of Human Communication
National Institute on Deafness and Other Communication Disorders
6120 Executive Boulevard, Room 400C
Bethesda, MD 20892-7180
Rockville, MD 20852 (for express/courier service)
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FAX: (301) 402-6251
Email: daniel_sklare@nih.gov

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Training and Special Programs Officer
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7550 Wisconsin Avenue, Room 1016
Bethesda, MD 20892
Telephone: (301) 496-4188
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Email: jd66x@nih.gov

Milton J. Hernandez, Ph.D.
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Solar Building, Room 3C21
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6701 Rockledge Drive, Suite 10170
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FAX: (301) 489-0867
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Email: mr50w@nih.gov

Beth Schucker, M.A.

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6701 Rockledge Drive, Room 9206
Bethesda, MD 20892-7940
Telephone: (301) 435-0535
FAX: (301) 480-1454
Email: schuckeb@gwgate.nhlbi.nih.gov

Lester S. Gorelic, Ph.D.
Office of Centers, Training and Resources
National Cancer Institute
6130 Executive Boulevard, Room 520
Bethesda, MD 20892-7390
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FAX: (301) 402-4472
Email: gorelicl@dcdbdcep1.nci.nih.gov

Andrew Vargosko, 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.

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