

NIH GUIDE

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**U.S. DEPARTMENT OF HEALTH
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The NIH Guide announces scientific initiatives and provides policy and administrative information to individuals and organizations who need to be kept informed of opportunities, requirements, and changes in extramural programs administered by the National Institutes of Health.

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NOTICES

RESEARCH SUPPLEMENTS FOR UNDERREPRESENTED MINORITIES

P.T. 34, 44, FF; K.W. 0720005, 0710030

National Institutes of Health

BACKGROUND

During 1987 and 1988, the Director of the National Institutes of Health (NIH) and the Advisory Committee to the Director (ACD) held a series of regional meetings throughout the United States. At these meetings, testimony was presented by concerned individuals and organizations regarding the underrepresentation of minorities in biomedical and behavioral research. Although the NIH currently provides opportunities for minorities through regular research grant programs and through special initiatives supported by various components of the NIH (see Appendix A for listing), the testimony indicated that NIH's efforts should be increased. In addition, the NIH recognizes the need to increase the number of underrepresented minority scientists* participating in biomedical and behavioral research as a means of addressing a potential research labor shortage in the twenty-first century.

* For the purpose of these announcements, underrepresented minority students and investigators are defined as individuals belonging to a particular ethnic or racial group which has been determined by the grantee institution to be underrepresented in biomedical or behavioral research. Awards will be limited to citizens or non-citizen nationals of the United States. In awarding supplements, the NIH will give priority to projects involving Black, Hispanic, Native American, and Pacific Islander or other ethnic or racial group members who have been found to be underrepresented in biomedical or behavioral research nationally.

In response to these concerns, the NIH is emphasizing the use of administrative supplements to recruit minorities into biomedical and behavioral research. The mechanisms described in this announcement have been endorsed by all the awarding components of the NIH and are designed to provide support for research experiences for minorities throughout the continuum from high school to the faculty level at grantee institutions. The funding of these programs will be in addition to existing programs for minority individuals and institutions.

The NIH hereby notifies all Principal Investigators holding NIH research grants that funds are available for administrative supplements to existing grants for the support of underrepresented minority scientists and students. The aim of these supplements is to attract and encourage minority individuals to pursue biomedical and behavioral research careers in areas within the missions of all the awarding components of the NIH by providing supplemental funds to certain ongoing research grants (see the Eligibility section under General Provisions, below).

The NIH anticipates that by providing scientific opportunities, such as those listed below, it will increase the number of minorities entering and remaining in biomedical research careers.

- o Research Supplements for Minority High School Students will support minority high school students who have expressed an interest in biomedical or behavioral sciences.
- o Research Supplements for Minority Undergraduate Students will support minority undergraduate students who have demonstrated an interest in biomedical or behavioral sciences and wish to continue on to graduate level training in these areas.
- o Research Supplements for Minority Graduate Research Assistants will provide support to assist minority predoctoral students who wish to develop their research capabilities in the biomedical and behavioral sciences.
- o Research Supplements for Minority Individuals in Postdoctoral Training will provide support for minority individuals who wish to participate as postdoctoral researchers in ongoing research projects in preparation for independent careers in biomedical or behavioral research.
- o Research Supplements for Minority Investigators will provide short- and long-term opportunities for minority staff and faculty who wish

to participate in ongoing research projects while further developing their own independent research potential.

GENERAL PROVISIONS

In all cases, the proposed research experience will be an integral part of the approved ongoing research of the parent grant. As part of this research experience, the minority individual must be given the opportunity to interact with individuals on the parent grant, to contribute intellectually to the research and to enhance his/her research skills and knowledge regarding the particular area of biomedical science. Furthermore, the Principal Investigator must demonstrate a willingness and understanding that the purpose of the award is to enhance the research capability of the minority student or faculty member, and that the research experience is intended to provide opportunities for minority individuals to develop as independent, competitive research investigators. Supplemental awards will be consistent with the goal of strengthening the existing research program and with the overall programmatic balance and priorities of the funding component of the NIH. Awards will be made according to the policies and provisions stated in this announcement.

Applicants are encouraged to contact their NIH program administrator prior to submission in order to obtain more specific information about application characteristics and submission requirements. It is also recognized that individual circumstances vary, and for unusual situations, NIH program administrators should be consulted for a determination of eligibility.

ELIGIBILITY

Principal Investigators at domestic institutions who hold an active R01, R10, R18, R24, R35, R37, P01, P40, P41, P50, P60, or U01 grant are eligible to submit a request for an administrative supplement to the awarding component of the parent grant for any of the supplemental programs offered here. Principal Investigators holding an active First Independent Research Support and Transition (FIRST) Award (R29) also may apply for a supplement under this program, but only when the minority candidate is a high school, undergraduate, or graduate student. Minority supplements to R29 awards may provide support above the normal dollar limits on these awards.

In all cases, the parent grant must have support remaining for a reasonable period at the time of a supplemental award. Principal Investigators are encouraged to submit an application no later than 3 months before the anniversary date of the last 2 years remaining on the parent grant.

The purpose of the request will be to support an underrepresented minority high school student, undergraduate student, graduate research assistant, individual in postdoctoral training, or a staff or faculty member to participate in an ongoing research project. Specific eligibility requirements relative to each type of award are set forth in the description of the individual supplement programs (below).

Usually, each parent grant would support only one minority supplement. Appointment of more than one individual to a single grant will be considered depending on the nature of the parent grant, the circumstances of the request, and the program balance of the awarding NIH component. Minority individuals may receive support from only one of these supplement programs at a time, but may be supported by more than one minority supplement during the development of their research careers. Opportunities for support under the supplement programs are not transferable to another individual.

The minority supplement programs have been designed to recruit underrepresented minority individuals into research careers and are not intended to provide an alternative means of supporting minority individuals who already receive regular support from a research grant or other PHS funding mechanism. If the Principal Investigator wishes to transfer a minority individual to supplemental support from an existing PHS supported position, the reason for the transfer must be clearly documented along with efforts to fill the vacated position with another minority individual. Individuals may not be transferred to a minority supplement simply to increase the availability of funds of the parent grant for other uses such as supplies and travel. Minority graduate students or individuals in postdoctoral training who are supported by a research training grant should not be transferred to supplemental support prior to the completion of their appointed period of training.

APPLICATION PROCEDURES

A request for a supplement may be submitted at any time. In making requests, the grantee institution, on behalf of the Principal Investigator of the parent grant and in cooperation with the minority individual, should submit the request for supplemental funds directly to the awarding component which supports the parent grant. The request should not be submitted to the NIH Division of Research Grants. Principal Investigators are encouraged to obtain the address for submission from the NIH program administrator on the parent grant.

The request for a supplemental award should include the following:

(1) a completed face page (with appropriate signatures) from PHS Grant Application Form 398 (rev. 10/88). Include the title and grant number of the parent grant and the type of supplement being requested on line 1;

(2) a brief 3-4 page description, prepared by the Principal Investigator of the parent grant, that includes: (a) a summary or abstract of the funded grant or project, (b) a description of the research experience proposed for the minority individual, (c) how it will expand and foster the independent research capabilities of the minority individual, and (d) how the proposed experience relates to the specific research goals and objectives of the parent grant;

(3) a statement from the minority individual outlining his/her research objectives and career goals;

(4) the social security number and biographical sketch of the minority individual that includes evidence of scientific achievement or interest;

(5) a statement from the Principal Investigator establishing the eligibility of the minority individual for support under this program including information on ethnicity, citizenship, and a description of any previous PHS research grant support the minority individual has received;

(6) a proposed budget entered on budget pages from PHS Grant Application Form 398, related to the percent effort (where appropriate) for the research experience of the minority individual during the first and future years;

(7) documentation, if applicable, that the proposed research experience was approved by the Institutional Animal Care and Use Committee (IACUC) or human subjects Institutional Review Board (IRB) of the grantee institution;

(8) a copy of the most recent official transcript if the minority candidate is a high school, undergraduate, or graduate student;

(9) if the minority individual is a student at another institution, the application also must include an appropriately signed letter from a responsible official at the institution of matriculation indicating that participation at the stated level of effort is approved and will not detract from or interfere with his/her course of studies;

(10) if any of the research is to be conducted at a site other than the grantee institution, an appropriately signed letter from the institution where the research is to be conducted must also be submitted.

The request must be signed by the minority individual, the Principal Investigator, and the appropriate institutional business official.

REVIEW CRITERIA

The staff of the particular awarding component will review requests for supplements using the following general criteria:

(1) the qualifications of the minority individual including career goals, prior research training, research potential, and any relevant experience;

(2) the plan for the proposed research experience in the supplemental request and its relationship to the parent grant;

(3) evidence from the Principal Investigator that the experience will enhance the research potential, knowledge and/or skills of the minority individual;

(4) evidence from the Principal Investigator that the activities of the minority individual are an integral part of the project;

(5) evidence of educational achievement and interest in science if the minority candidate is a student.

FUNDING

The decision to fund a supplement will take six to eight weeks from the time all the necessary information is received. Applicants for summer-only research appointments must submit early enough to ensure that funding is in place by the time the summer experience is scheduled to begin. In most cases during the first budget period, funds will be provided as an administrative supplement to the parent grant. In subsequent years, continued funding for the supplement is contingent on funding of the parent grant and cannot extend beyond the current competitive segment of the parent grant.

The continuation of support for the minority individual in the remaining years of the competitive segment of the grant will depend upon satisfactory review by the NIH awarding component of progress for both the parent grant and the supplemental project, the research proposed for the next budget period, and the appropriateness of the proposed budget to the proposed effort.

In non-competing continuation applications, the progress report for the minority supplement should be clearly delineated from the progress report for the parent grant. In future competing applications, funds for continuation of support for the minority individual must be requested in the parent grant application and may not be requested as a research supplement for that individual.

Descriptions of the Individual Research Supplement Programs

1. RESEARCH SUPPLEMENTS FOR UNDERREPRESENTED MINORITY HIGH SCHOOL STUDENTS

DESCRIPTION

The purpose of this program is to provide minority high school students with an opportunity to attain a meaningful experience in various aspects of health-related research in order to stimulate their interest in careers in biomedical or behavioral science.

Principal Investigators may identify appropriate high school students through the local program director for the Minority High School Student Research Apprenticeship Program (MHSSRAP) (see appendix for a description of MHSSRAP). The Principal Investigator should coordinate the selection of minority high school students and the research experience planned under the supplement with the program director of the MHSSRAP grant. Alternatively, if the Principal Investigator is not located at an institution that administers a MHSSRAP program, the grantee institution, in conjunction with local high schools, may attempt to pair high school students with funded Principal Investigators. Information about funded MHSSRAP programs near the Principal Investigator's institution can be obtained from the National Center for Research Resources (see the Inquiries section at the end of this announcement).

ELIGIBILITY

Any minority high school student who is currently enrolled and in good standing at his or her high school and is interested in biomedical or behavioral research is encouraged to participate in this program.

PROVISIONS

This supplement is not to exceed \$2,000 per student, including supplies, for a summer experience. A part-time experience during the regular school year would be reimbursed at the same rate. This is the same level of support provided under the MHSSRAP program. Equipment may not be purchased using these funds. Students are expected to devote sufficient effort to the research project and related activities during the period of support to gain insight into the process of scientific discovery. Support should be for a minimum of three months during any one year that may include a mixture of full-time summer experience and part-time experience during the school year. Principal Investigators are encouraged to seek minority high school students who will devote at least two years to this program (i.e., equivalent to two three-month, full-time, periods). Exceptions to the latter will be considered, depending on the circumstances of the applicant, the parent grant, and the specific request.

See the GENERAL PROVISIONS section (above) for information about application procedures, review criteria, and funding.

2. RESEARCH SUPPLEMENTS FOR UNDERREPRESENTED MINORITY UNDERGRADUATE STUDENTS

DESCRIPTION

This supplemental program provides an opportunity for any minority undergraduate student interested in biomedical or behavioral research to participate in a research project at a research institution during the summer months or during the school year. This experience will be separate from any requirement of the regular academic program.

The success of this program is dependent on the ability of the Principal Investigator to identify appropriate students. A number of procedures may be used to match investigators holding research grants to appropriate minority college students: (1) the Principal Investigator may identify a student and initiate the request for the supplement; (2) the institution may make the pairing and request the supplement; (3) the student may contact a grantee institution or the Principal Investigator and request a summer research experience; (4) finally, the NIH can provide lists of participants in NIH programs that provide support for minority undergraduate students (such as the Minority Access to Research Careers and the Minority Biomedical Research Support Program) in order to help the Principal Investigator to identify suitable candidates.

ELIGIBILITY

The student may be affiliated with either the applicant institution or any other academic institution. Any undergraduate minority student interested in biomedical or behavioral research is encouraged to participate in this program.

PROVISIONS

This supplement is not to exceed \$6.00 per hour for salary plus \$125 per month for supplies and travel. Equipment may not be purchased from these funds. Students are expected to devote an equivalent of at least three months full-time effort to the research project and related activities in any one year and in most cases the period of support for any individual should last at least two years. Exceptions to these requirements will be considered, depending on the circumstances of the applicant, the parent grant, and the specific request.

See the GENERAL PROVISIONS section (above) for information about application procedures, review criteria, and funding.

3. RESEARCH SUPPLEMENTS FOR UNDERREPRESENTED MINORITY GRADUATE RESEARCH ASSISTANTS

DESCRIPTION

The objective of this program is to reach out to minority graduate students already in biomedical and behavioral sciences and give them an opportunity to further develop their research capabilities.

ELIGIBILITY

Any minority graduate student who is enrolled in a doctoral degree program in one of the biomedical or behavioral sciences is eligible for consideration. A student enrolled in a masters degree program in nursing sciences may also be eligible.

PROVISIONS

The NIH will provide salary support in addition to other necessary expenses such as supplies and travel to enable the individual to participate as a graduate research assistant in funded research projects. The requested salary must be in accordance with the salary structure of the grantee institution and consistent with the level of effort. Funds may not be used to purchase equipment.

See the GENERAL PROVISIONS section (above) for information about application procedures, review criteria, and funding.

4. RESEARCH SUPPLEMENTS FOR UNDERREPRESENTED MINORITY INDIVIDUALS IN POSTDOCTORAL TRAINING

DESCRIPTION

These supplements provide research support to permit minority individuals in the postdoctoral phase of their training to participate in ongoing research projects to assist development into an independent biomedical or behavioral researcher.

ELIGIBILITY

The minority individual in postdoctoral training may be affiliated with either the applicant institution or any other institution. Only under extraordinary circumstances, which must be well justified in the application, would it be acceptable for the postdoctoral candidate to work with his or her former predoctoral mentor.

PROVISIONS

The NIH will provide support for a salary in addition to other necessary expenses such as travel and supplies to enable the minority individual to participate as a postdoctoral research assistant or associate on the funded research project. The requested salary must be in accordance with the salary structure of the grantee institution and consistent with the level of effort. Support may not be used to purchase equipment.

See the GENERAL PROVISIONS section (above) for application procedures, review criteria and funding.

5. RESEARCH SUPPLEMENTS FOR UNDERREPRESENTED MINORITY INVESTIGATORS

DESCRIPTION

These supplements provide either short- or long-term research support for minority staff or faculty members to enhance their research skills leading to an independent research career.

a. Short-term Minority Investigator Research Supplement. This supplement provides short-term support for minority staff or faculty members to conduct full-time research for 3-5 months each year during the summer or another portion of the academic year, over a maximum period of four years.

b. Long-term Minority Investigator Research Supplement. This supplement provides long-term research support for minority staff or faculty members to conduct research in the biomedical or behavioral sciences. Support is provided for up to 4 years at a minimum of 30 percent effort during each 12-month period.

ELIGIBILITY

The minority investigator may be affiliated with the applicant institution or any other institution. The investigator must have a doctoral degree, be beyond the level of a research trainee and be a member of the staff or faculty with at least one year of postdoctoral experience. A Minority individual who has previously received support from MBRS, MARC, small grants (R03), or AREA grants is eligible for these supplements. On the other hand, an individual who has received previous funding from NIH as an independent Principal Investigator on a regular research grant, or as the project leader on a component of a program project or center grant, or as principal investigator on an individual research career award is not eligible.

PROVISIONS

The minority investigator supplemental award is for a maximum of \$50,000 in direct costs per year. A maximum of \$40,000 may be requested for salary and fringe benefits; additional funds up to \$10,000 may be requested for supplies and travel. Equipment may not be purchased except in unusual circumstances, and not without prior approval of the NIH awarding component. The maximum period of support for any investigator is four years.

The amount of salary requested must be consistent with the policies of the parent grantee institution (and, if applicable, the minority investigator's employing institution) and must be related to the percent effort of the minority investigator.

See the GENERAL PROVISIONS section (above) for application procedures, review criteria, and funding.

INQUIRIES

Principal Investigators interested in participating in these programs are encouraged to contact NIH staff administering the parent grant. For general information about the Research Supplements for Underrepresented Minorities, please contact the following staff person in the appropriate awarding component:

NATIONAL INSTITUTE ON AGING

Deputy Associate Director
Office of Extramural Affairs
NIA, NIH
Building 31, Room 5C02
Bethesda, MD 20892
Telephone: (301) 496-9322

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES

Assistant Director, Division of Extramural Activities
NIAID, NIH
Westwood Building, Room 7A03
Bethesda, MD 20892
Telephone: (301) 496-5030

NATIONAL INSTITUTE OF ARTHRITIS AND MUSCULOSKELETAL AND SKIN DISEASES

Director, Extramural Program
NIAMS, NIH
Building 31, Room 4C32
Bethesda, MD 20892
Telephone: (301) 496-0802

NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT

Special Assistant to the Deputy Director, NICHD, NIH
Building 31, Room 2A03
Bethesda, MD 20892
Telephone: (301) 496-0104

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS

Acting Director, Extramural Activities
NIDCD, NIH
Federal Building, Room 1C11
Bethesda, MD 20892
Telephone: (301) 496-1804

NATIONAL INSTITUTE OF DENTAL RESEARCH

Director, Extramural Program
NIDR, NIH
Westwood Building, Room 503
Bethesda, MD 20892
Telephone: (301) 496-7723

NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES

Director, Division of Extramural Activities
NIDDK, NIH
Westwood Building, Room 657
Bethesda, MD 20892
Telephone: (301) 496-7277

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES

Director, Division of Extramural Research and Training
NIEHS, NIH
Building 3, Room 301A
P.O. Box 12233
Research Triangle Park, NC 27709
Telephone: (919) 541-7723

NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES

For general information contact:

Assistant Director, Referral and Liaison
NIGMS, NIH
Westwood Building, Room 925
Bethesda, MD 20892
Telephone: (301) 402-0593

For information on procedures for initiating an application for a supplement,
contact your program administrator or:

Deputy Associate Director, Office of Program Activities
NIGMS, NIH
Westwood Building, Room 938
Bethesda, MD 20892
Telephone: (301) 496-7063

NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE

Deputy Director, Division of Extramural Activities
NINDS, NIH
Federal Building, Room 1016
Bethesda, MD 20892
Telephone: (301) 496-4188

NATIONAL CANCER INSTITUTE

Director, Division of Extramural Activities
NCI, NIH
Building 31, Room 10A03
Bethesda, MD 20892
Telephone: (301) 496-5147

NATIONAL EYE INSTITUTE

Research Training and Resources Officer
NEI, NIH
Building 31, Room 6A49
Bethesda, MD 20892
Telephone: (301) 496-5983

NATIONAL HEART, LUNG AND BLOOD INSTITUTE

Director, Division of Extramural Affairs
NHLBI, NIH
Westwood Building, Room 7A17B
Bethesda, MD 20892
Telephone: (301) 496-7416

NATIONAL CENTER FOR NURSING RESEARCH

Director, Extramural Programs
NCNR, NIH
Building 31, Room 5B03
Bethesda, MD 20892
Telephone: (301) 496-0523

NATIONAL LIBRARY OF MEDICINE

Acting Associate Director, Division of Extramural Programs
NLM, NIH
Building 38A, Room 5N505
Bethesda, MD 20892
Telephone: (301) 496-4621

NATIONAL CENTER FOR RESEARCH RESOURCES

Acting Deputy Director for Extramural Research Resources
NCRR, NIH
Building 12A, Room 4011
Bethesda, MD 20892
Telephone: (301) 496-6023

NATIONAL CENTER FOR HUMAN GENOME RESEARCH

Chief Research Grants Branch
NCHGR, NIH
Building 38A, Room 612
Bethesda, MD 20892
Telephone: (301) 496-7531

APPENDIX A

ADDITIONAL NIH SUPPORT FOR MINORITY INVESTIGATORS

In addition to the Research Supplements for Underrepresented Minorities in Biomedical Research, the NIH supports minority investigators through a variety of other mechanisms. Below is a list of these programs. For additional information about individual programs, please contact the appropriate NIH staff person listed above.

Research Related Grant Programs

The Minority Biomedical Research Support (MBRS) Program provides research grants to colleges, universities, and health professional schools with substantial minority enrollments, as well as to tribally controlled institutions on Indian reservations. These grants support research by faculty members, strengthen the institutions' biomedical research capabilities, and provide opportunities for students to work as part of a research team. The MBRS Program is administered by the National Institute of General Medical Sciences.

The MBRS Program provides support through two major grant mechanisms. One, the Traditional MBRS Program, primarily supports faculty research projects, but also places emphasis on promoting the involvement of undergraduate and graduate students. The MBRS Program for Undergraduate Colleges supports enrichment activities, pilot research projects, and regular research projects at undergraduate institutions. Enrichment activities, which are a required component of this type of grant, include workshops, attendance at scientific meetings, and summer research experiences for faculty and students at off-campus laboratories.

The Research Centers in Minority Institutions Program (RCMI) provides grant support to predominantly minority institutions that offer the doctoral degree in the health sciences. RCMI funds are used to hire additional research faculty in the biomedical and behavioral sciences, support training in specialized analytical methods, upgrade facilities, and purchase advanced scientific instrumentation. This program is administered by the National Center for Research Resources.

The National Cancer Institute Cancer Education Program supports networks consisting of Black churches and historically Black colleges and universities as part of its overall program. This initiative is targeted toward traditionally underserved populations that are at high risk for certain malignancies.

The Minority Travel Award Program of the National Institute of Arthritis and Musculoskeletal and Skin Diseases and the National Institute on Diabetes, Digestive and Kidney Diseases provides travel funds for minority students and faculty members from minority institutions for attendance at national scientific meetings.

The Resource Grant Program supports the development of health science libraries at minority institutions. In addition, minority institutions benefit from the Regional Medical Library Program which provides services and conducts activities relative to the retrieval and utilization of health information. These programs are supported by the National Library of Medicine.

Career Development Programs

Junior Research Investigator Enhancement Award supports minority scientists from member institutions of the Association of Minority Health Professional Schools who are pursuing or plan to pursue careers in research related to heart, lung or blood diseases. This program is supported by the National Heart, Lung, and Blood Institute.

The Minority Clinical Associate Physicians Program (MCAP) provides up to three years of support to minority physicians or dentists to promote the development of their career as an independent clinical investigator, under the direction of senior clinical scientists who act as sponsors. A request for MCAP support is made through a supplemental grant application from a funded General Clinical Research Center of the National Center for Research Resources.

The Minority Investigator Research Enhancement Award is administered by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) and the National Institute on Diabetes and Digestive and Kidney Diseases (NIDDK) and provides support to faculty members from minority institutions for

collaboration with Principal Investigators on currently funded NIAMS or NIDDK research grants.

The Minority Satellite Supplement supports minority clinical faculty to contribute to the research effort of the National Cancer Institute clinical trials research groups.

The Minority School Faculty Development Award supports faculty investigators at minority schools in areas relevant to cardiovascular, pulmonary, and blood disease research. This program is supported by the National Heart, Lung, and Blood Institute.

Institutional Research Training and Fellowship Programs

The Intramural Summer Student Employment Program supports high school, undergraduate, and graduate students, as well as college faculty members who wish to conduct research in the biomedical sciences at the NIH. This program is supported by the NIAMS.

The Minority Access to Research Careers (MARC) Program awards research training grants and fellowships (see next four items) that help increase the number and capabilities of minority biomedical research scientists and strengthen science curricula and research opportunities at institutions with substantial minority enrollments. These programs are administered by the National Institute of General Medical Sciences.

The MARC Honors Undergraduate Research Training Grant helps minority institutions develop strong undergraduate science curricula, stimulate an interest in biomedical research among undergraduate students, and increase the number of well-prepared minority students who can compete successfully for entry into graduate programs leading to the Ph.D. degree in the biomedical sciences. Under this program, minority institutions receive support to provide honors students with science courses, research training, and summer research experience outside the home institution.

The MARC Predoctoral Fellowship provides a further incentive to graduates of the MARC Honors Undergraduate Program to obtain research training in the nation's very best graduate programs.

The MARC Faculty Fellowship offers an opportunity for advanced biomedical research training to selected full-time faculty members of minority institutions. This training can lead to a Ph.D. degree or can involve postdoctoral research, and can be pursued at any nonprofit public or private institution in the United States with suitable facilities. When the training period is over, fellows are expected to return to their sponsoring schools to teach and conduct research.

The MARC Visiting Scientist Program provides support for periods of 3 to 12 months to outstanding scientist-teachers who serve as visiting scientists at eligible minority institutions.

The Minority High School Student Research Apprentice Program (MHSSRAP) provides minority high school students with an opportunity for meaningful experience in various aspects of health-related research in order to stimulate their interest in careers in science. Eligible institutions include over 730 institutions that were awarded either Biomedical Research Support (BRS) or Minority Biomedical Research Support (MBRS) grants in the last Federal fiscal year. In fiscal year 1990, over 50 percent of the eligible institutions participated in the MHSSRAP program. The National Center for Research Resources plans to increase the number of eligible institutions in the program in FY 1991 in order to accommodate more high school students in the program.

The Minority Institutional Research Training Program supports full-time research training for investigative careers at minority schools in areas related to cardiovascular, pulmonary or hematologic diseases. This program is supported by the National Heart, Lung, and Blood Institute.

The goal of the Minority Supplement Program for Research Training Grants, administered by the NIDDK, is to facilitate the recruitment of underrepresented minority graduate students into existing research training grants. The National Institute on Aging and the National Center for Nursing Research have similar programs that support minority postdoctorates as well as minority graduate students on existing research training grants.

The NIH National Research Service Award Programs (NRSA) train pre- and post-doctoral students in all areas of biomedical research. A special initiative requires that each new or renewal application include a plan to recruit individuals from underrepresented minority groups.

The NIH Visiting Professors Program encourages NIH intramural scientists to visit Historically Black Colleges and Universities (HBCUs) for a period from a week to several months to collaborate with HBCU faculty and stimulate their students to seek research careers. This program is supported by the National Institute of Child Health and Human Development.

The Science Enrichment Program is a 6-week residential program for underrepresented minorities and underserved youth that is designed to encourage 10th graders to pursue professional research careers in fields of science and/or mathematics. This program is administered by the National Cancer Institute.

A Short-term (summer) Training Program supports minority dental students to conduct research in the dental sciences. This program is supported by the National Institute of Dental Research.

The Summer Research Training Program for Undergraduate Minority Students is a 10-week research experience for undergraduate students who have completed the junior year and who have career goals in the health sciences. The program is supported by the NIDDK.

Other Fellowship Programs

The NIH Extramural Associates Program sponsors individuals from minority institutions who come to the NIH to learn first-hand about the NIH programs, peer review, and grant administration. Scientist administrators from eligible institutions, including HBCUs, participate in this program. Support is arranged through an Intergovernmental Personnel Act agreement. Since the program's inception in 1978, more than 50 HBCUs have participated in the Extramural Associates Program.

GUIDELINES FOR SUPPLEMENTS FOR UNDERREPRESENTED MINORITIES IN BIOMEDICAL AND BEHAVIORAL RESEARCH SUPPORTED BY ADAMHA

P.T. 34, FF; K.W. 1014002, 1014006

Alcohol, Drug Abuse, and Mental Health Administration
National Institute on Drug Abuse
National Institute on Alcohol Abuse and Alcoholism
National Institute of Mental Health

BACKGROUND

The Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA) currently provides opportunities for minorities through regular research grant programs of its component Institutes, National Institute on Drug Abuse (NIDA), National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the National Institute of Mental Health (NIMH) and through other special initiatives (See Appendix B). The ADAMHA recognizes the need to increase the number of underrepresented minority scientists* participating in biomedical and behavioral research as a means of addressing the national problem of a declining scientific pool.

*For the purpose of these announcements, underrepresented minority investigators, hereinafter referred to simply as minorities, are defined as individuals belonging to a particular ethnic or racial group which has been determined by the grantee institution to be underrepresented in biomedical or behavioral research. Awards will be limited to citizens or noncitizen nationals of the United States. In awarding supplements, ADAMHA will give priority to projects involving Black, Hispanic, Native Americans, Pacific Islanders, or other ethnic or racial group members who have been found to be underrepresented in either biomedical or behavioral research nationally.

The ADAMHA hereby notifies all Principal Investigators holding NIDA, NIAAA or NIMH research grants of the availability of funds for administrative supplements designed to provide a continuum of support for underrepresented minority scientists and students. The aim of these programs is to attract and encourage these minority individuals to pursue biomedical research careers in areas within the missions of all the awarding components of the ADAMHA by providing supplemental funds to ongoing research grants.

GENERAL PROVISIONS

In all cases, the proposed research experience must be an integral part of the approved ongoing research of the parent grant. As part of this research experience, the minority individual must be given the opportunity to interact with individuals on the parent grant, to contribute intellectually to the research, and to enhance his/her research skills and knowledge regarding the particular area of biomedical or behavioral science. Furthermore, the Principal Investigator must demonstrate a willingness and understanding that the purpose of the award is to enhance the research capability of the minority student or faculty member, and that the research experience is intended to provide opportunities for minority individuals to develop as independent, competitive research investigators.

AWARD CRITERIA

Awards will be made consistent with the goals of strengthening the existing research program and the overall programmatic balance of the funding agency. Awards will be made according to the policies and provisions stated herein. However, it is recognized that individual circumstances vary, and for unusual situations, NIDA, NIAAA or NIMH program staff should be consulted for a determination of eligibility.

ELIGIBILITY

Principal Investigators at a domestic institution holding an active R01, R18, R37, P01, P50, or U01, U10, are eligible to submit a request for an administrative supplement to the awarding component of the parent grant for any of the supplemental programs offered here. Principal Investigators holding an active FIRST Award (R29) may be considered eligible to submit an application for a supplement under this program, but only when the minority candidate is a high school, undergraduate, or graduate student.

In all cases, the parent grant must have support remaining for a reasonable period at the time of the supplemental award. Principal Investigators are encouraged to submit application no later than 3 months before the start of the last 2 years of the parent grant.

The purpose of the request will be to support a minority undergraduate student, graduate research assistant, postdoctoral individual, or faculty member to participate in ongoing research projects. Candidates must be citizens or noncitizen nationals of the United States, or have been lawfully admitted to the United States for permanent residence and have in their possession an Alien Registration Receipt Card (I-151 or I-155) at the time of application. Noncitizen nationals are persons born in lands which are not States but which are under U.S. sovereignty, jurisdiction, or administration (e.g., American Samoa). Individuals on temporary or student visas are not eligible. Specific eligibility requirements relative to each type of award are set forth in the individual Program Announcements.

Usually, each parent grant would have only one supplement. Appointment of more than one individual to a single grant will be considered depending on the nature of the parent grant and the circumstances of the request. Minority individuals may receive support under these programs on only one grant at any time, but may be supported by more than one grant during the development of their research careers.

APPLICATION PROCEDURES

A request for a supplement may be submitted at any time throughout the year. In making requests, the grantee institution, on behalf of the Principal Investigator of the parent grant and in cooperation with the minority individual, should submit the request for supplemental funds directly to the grants management office of the relevant institute. The request should not be submitted to the NIH Division of Research Grants. The request should include the following: (1) a completed face page from PHS Grant Application Form 398 (rev. 10/88) with the title and grant number of the parent grant and a statement that specifies which type of supplement (e.g., minority undergraduate student, minority graduate student, etcetera) is being requested; (2) a brief (3-4) page description, prepared by the Principal Investigator of the parent grant, of the proposed research experience and how it will expand and foster the independent research capabilities of the minority individual and how it relates to the research objectives of the parent grant; (3) a statement from the minority individual outlining his/her research objectives and career goals; (4) the social security number and biographical sketch of the minority individual that includes evidence of scientific achievement; (5) a proposed budget entered on budget pages from PHS Grant Application Form 398, related to the percent effort (where appropriate) for the research experience on the first year of the supplement and future years; (6) documentation, if applicable, that the proposed research experience was approved by the animal welfare committee or human subjects institutional review board of the grantee institution; and (7) a copy of an official transcript if the minority candidate is a student.

The request must be signed by the minority individual, the Principal Investigator, and the appropriate institutional business official. If the minority individual is an employee of another institution, the request also must be accompanied by an appropriately signed letter from the institution of the minority individual indicating that participation at the stated level of effort is approved. If any of the research is to be conducted at a site other than the grantee institution, an appropriately signed letter from the institution where the research is to be conducted must also be submitted.

REVIEW CRITERIA

The staff of the particular awarding component will review requests for supplements using the following general criteria: (1) the qualifications of the minority individual including career goals, prior research training, and any relevant experience; (2) plans for the proposed research experience in the supplemental request and its relationship to the parent grant; (3) assurance from the Principal Investigator that the experience will enhance the research potential, knowledge and/or skills of the minority individual; and (4) assurance from the Principal Investigator that the activities of the minority individual are an integral part of the project. Additional criteria related to the specific programs may also apply.

FUNDING

The decision to fund a supplement will take approximately six to eight weeks from the time the request is submitted. Applicants for summer-only research appointments must submit early enough to ensure funding is in place by the time the summer experience is scheduled to begin. In most cases, during the first budget period, funds will be provided as an administrative supplement to the parent grant. In subsequent years, continued funding for the supplement always is contingent on funding of the parent grant and cannot extend beyond the current competitive segment of the parent grant.

The continuation of support for the minority individual in the remaining years of the competitive segment of the grant will depend upon a satisfactory review of progress on the parent grant and the supplement by the awarding component of ADAMHA, the research proposed for the next budget period, and the appropriateness of the proposed budget to the proposed effort.

In the future, for both competing applications and non-competing applications, funds for continuation of the supplement must be requested in the parent grant application.

Funds are not transferable to another minority individual and simultaneous or overlapping supplements will not be considered.

SPECIFIC PROGRAM STATEMENTS

1. RESEARCH SUPPLEMENTS FOR MINORITY UNDERGRADUATE STUDENTS

DESCRIPTION

This research grant supplement provides an opportunity for any minority undergraduate student interested in biomedical or behavioral research to conduct research at a research institution during the summer months or other period, apart from an academic program. The success of this program is dependent on the ability of the Principal Investigator to identify appropriate students. A number of procedures may be used to match investigators holding research grants to appropriate minority college students: (1) the Principal Investigator may identify a student and initiate the request for the supplement; (2) the institution may make the pairing and request the supplement; (3) the student may contact a grantee institution or an investigator and request a summer research experience; and (4) ADAMHA can provide to interested Principal Investigators lists of participants in ADAMHA programs which provide support for minority undergraduate students, such as MARC (Minority Access to Research Careers); MIRDP (Minority Institutions Research Development Program); and MBRS (Minority Biomedical Research Support).

ELIGIBILITY

The student may be affiliated with either the applicant institution or any other academic institution. Any undergraduate minority student interested in biomedical or behavioral research is encouraged to participate in this program.

PROVISIONS

This supplement is not to exceed \$6.00 per hour for salary plus \$125 per month for supplies and travel. Equipment may not be purchased from these funds. Students are expected to devote full-time effort to the research project and related activities during the period of support. Support should be for a minimum of three months duration in any one year, but is encouraged to last over a period of at least two years (e.g., two three-month periods). Exceptions to the latter will be considered, depending on the circumstances of the applicant, the parent grant and the specific request.

APPLICATION PROCEDURES

Once a student has been identified, a request may be submitted. In addition to the items required in GENERAL PROVISIONS (above), the request should include an academic record and other evidence of educational achievement of the student.

If the minority student is not a student at the grantee institution, the request also must be accompanied by an appropriately signed letter from the responsible official of the institution at which the minority student is matriculated, indicating that participation is approved.

Special provisions may be made for exceptional high school minority students to participate in this program. The provisions, review criteria, and application procedures are the same as for college students.

REVIEW CRITERIA

In addition to the criteria described in GENERAL PROVISIONS (above), requests for supplements for support of undergraduate students will be reviewed using the following additional criteria: the academic record of the minority student and assurance from the Principal Investigator that the experience will enhance the research potential and skills of the student.

2. RESEARCH SUPPLEMENTS FOR MINORITY GRADUATE RESEARCH ASSISTANTS

DESCRIPTION

The objective of this program is to reach out to potential minority researchers in biomedical and behavioral sciences and give them an opportunity for further development of research capability leading to independence as a researcher.

ELIGIBILITY

Any minority graduate student who is actively pursuing a doctoral degree in one of the biomedical or behavioral sciences is eligible for consideration.

PROVISIONS

The ADAMHA Institutes will provide support for a salary in addition to other necessary expenses to enable the minority individual to participate as a graduate research assistant in funded research projects. The requested salary must be in accordance with the salary structure of the grantee institution and consistent with the level of effort.

APPLICATION PROCEDURES

Please refer to the items listed under GENERAL PROVISIONS.

REVIEW CRITERIA

The awarding component of the parent grant will review requests for supplements to support minority graduate research assistants using the following criteria in addition to those stated in GENERAL PROVISIONS (above): the academic record of the minority graduate research assistant and the potential for developing an independent research career.

3. RESEARCH SUPPLEMENTS FOR MINORITY INDIVIDUALS IN POSTDOCTORAL TRAINING

DESCRIPTION

These supplements provide research support for minority postdoctoral individuals to participate in ongoing research projects to prepare them for independent careers in biomedical or behavioral research.

ELIGIBILITY

The minority postdoctoral individual may be affiliated with either the applicant institution or any other institution. If the affiliation is with the applicant institution, it would be desirable for the postdoctoral individual to work with an investigator other than his or her predoctoral mentor.

PROVISIONS

The ADAMHA Institutes will provide support for a salary in addition to other necessary expenses to enable the minority individual to participate as a postdoctoral fellow in funded research projects. The requested salary must be in accordance with the salary structure of the grantee institution and consistent with the level of effort. The maximum period of support is 2 years.

4. RESEARCH SUPPLEMENTS FOR MINORITY INVESTIGATORS

DESCRIPTION

These supplements provide either short- or long-term research support for minority faculty members to enhance their research skills leading to an independent research career.

a. Short-term Minority Investigator Research Supplement

This supplement provides short-term support for minority faculty members to conduct research in the biomedical or behavioral sciences for 3-5 months full time each year during the summer or another portion of the academic year, over a maximum period of four years.

b. Long-term Minority Investigator Research Supplement

This supplement provides long-term research support for minority faculty members to conduct research in the biomedical or behavioral sciences. Support

is provided for up to 4 years at a minimum of 30 percent effort during each 12-month period.

ELIGIBILITY

The minority investigator may be affiliated with either the applicant institution or any other institution. The investigator must have a doctoral degree, be beyond the level of a research trainee, and be a member of the faculty with at least one year of postdoctoral experience. MBRS, MARC, MIRDP, or Small Grants investigators are eligible for these supplements; individuals who have received previous funding from ADAMHA as an independent Principal Investigator on regular research grants, or as the project leader on a component of a program project or center grant, or research career program awards are not eligible.

PROVISIONS

The minority faculty supplemental award is for a maximum of \$50,000 in direct costs per year. A maximum of \$40,000 may be requested for salary and fringe benefits; additional funds up to \$10,000 may be requested for supplies and travel.

Equipment may not be purchased under this supplement except in unusual circumstances, and not without prior approval of the ADAMHA awarding component. The maximum period of support for any investigator is four years.

The amount of salary requested must be consistent with the policies of the parent grantee institution (and, if applicable, the minority investigator's employing institution) and must be related to the percent effort of the minority investigator. Institutions are discouraged from adding individuals whose salary support is from other sources in an effort to increase funds for supplies and travel. However, individuals with outside sources of funds for partial support of a research experience are not excluded from participating in these programs.

See GENERAL PROVISIONS (above) for application procedures, review criteria, and funding.

REFERENCES

The statutory authorities for these grant awards are sections 301, 510, 515 and 504 of the Public Health Service Act. Federal regulations at 42 CFR part 52, "Grants for Research Projects" and 45 CFR Part 74, "Administration of Grants", are applicable to these awards. Grants must be administered in accordance with the Public Health Grants Policy Statement.

INQUIRIES

Principal Investigators interested in participating in these programs are encouraged to contact the awarding component project officer for the parent grant. For general information about the ADAMHA programs and initiatives for underrepresented minorities in biomedical and behavioral research, please contact the following staff person in the appropriate awarding component:

NATIONAL INSTITUTE ON DRUG ABUSE
Catherine Bell-Bolek
Associate Director for Special Populations Research
National Institute on Drug Abuse
5600 Fishers Lane, Room 10-20
Rockville, MD 20857
Telephone: (301) 443-0441

NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM
Ernestine Vanderveen, Ph.D.
Associate Director, Division of Basic Research
National Institute on Alcohol Abuse and Alcoholism
5600 Fishers Lane, Room 16C-05
Rockville, MD 20857
Telephone: (301) 443-1273

NATIONAL INSTITUTE OF MENTAL HEALTH
Delores L. Parron, Ph.D.
Associate Director for Special Populations
National Institute of Mental Health
5600 Fishers Lane, Room 17C-16
Rockville, MD 20857
Telephone: (301) 443-2847
FAX: (301) 443-6893

APPENDIX B

ADDITIONAL ADAMHA SUPPORT FOR MINORITY INVESTIGATORS

The ADAMHA Institutes support underrepresented minorities in biomedical and behavioral research and research training through a variety of other mechanisms. These programs are described briefly below. For additional information about individual programs, please contact the appropriate office listed at the end of this document.

Minority Access to Research Careers (MARC): Honors Undergraduate Research Training Grants: Awards are made to institutions with a substantial minority enrollment in order to recruit highly talented third and fourth year undergraduates into training programs designed to assist qualification for entrance into a doctoral program. Trainees may receive support for up to two years with an annual stipend of \$6,504. Students at institutions with a substantial minority enrollment should contact the Minority Research Resources Branch, NIMH, listed below, for information on these awards.

Minority Fellowship Program (MFP): NIMH makes awards to professional societies, academic institutions, and other eligible organizations for the support of minority graduate careers and other individuals interested in research careers in areas of special interest to NIMH. Trainees are selected by the director of the fellowship program and may receive up to five years of support with an annual stipend of \$8,500. In some cases, dissertation expenses will be supported. Information on these programs can be obtained from the Minority Research Resources Branch, NIMH.

MARC Faculty Fellowships: Individual fellowships are awarded to faculty from colleges and universities having a substantial minority enrollment for the purpose of providing advanced training in research areas of interest to ADAMHA. Applicants must have been accepted into a doctoral program or for postdoctoral training at an accredited institution. Applicants also must agree to return to their home institution after completion of the training program. Stipends are commensurate with the salary provided by the home institution, not to exceed \$30,000 per year. Additionally, up to \$5,000 in related expenses may be requested. Contact the Minority Research Resources Branch, NIMH, for information on this award.

Minority Institutions Research Development Program (MIRDP): This program is designed to strengthen the research environment and increase the capacity of predominantly minority institutions and their faculty to conduct rigorous alcohol, drug abuse, or mental health research. Grant support is provided to develop and/or expand their existing capacity for conducting alcohol, drug abuse, or mental health research, and to enhance the research capability of faculty to conduct neuroscience, behavioral, biological, clinical public health, and social science research in alcohol, drug abuse and mental health areas.

Although the programs listed above have been specifically designed to meet the training and career development needs of minority students and faculty, members of minority groups are encouraged to apply for any ADAMHA research or research training support mechanism. These programs are:

Individual Fellowships: Awards are made to individual fellows for full-time supervised training at the predoctoral or the postdoctoral level in disciplines and areas related to alcoholism, drug abuse, and mental illness. The annual stipend for predoctoral fellows is \$8,500. Postdoctoral fellows receive between \$17,000 and \$31,500 depending on the amount of previous training. An institutional allowance up to \$3,000 is also provided to help defray expenses such as tuition, fees, research supplies, equipment, travel to scientific meetings, and related items. Predoctoral applicants may apply after two years of training in a graduate (e.g., Ph.D.) program and may receive up to three years of support. Postdoctoral fellows may receive up to three years of support. These awards have been established to provide training in research methodology and are not available to students in programs that lead to an M.D., D.O., D.D.S., or a comparable professional degree.

M.D./Ph.D. Predoctoral Fellowships are available for students who are enrolled in an academic program which leads to a combined M.D./Ph.D. degree. Candidates may receive up to six years of predoctoral fellowship support for training in research fields relevant to ADAMHA. These fellowships also provide tuition for both medical and graduate training in addition to a \$2,500 institutional allowance which helps defray the costs of research supplies, equipment, travel, and related items.

Applications for any of the fellowships are completed by the candidate with assistance from a designated sponsor at the institution where the training

will be carried out. The application is reviewed by outside experts at one of the ADAMHA Institutes. Reviewers consider the academic or research record of the applicant, the research plan, the training plan, the research training environment and the qualifications of the indicated sponsor. Contact one of the ADAMHA Institute offices listed below for announcements, application forms, and information on the features of these awards, including the service payback requirements.

ADAMHA Research Career Awards: There are three career development awards designed to support the development of scientists with a commitment to, and a potential for, a successful research career in fields of interest to ADAMHA. For each of these awards, candidates must be able to demonstrate excellence in previous endeavors. Eligibility for the different awards depends on the type and amount of previous training and experience. Candidates who can demonstrate the need for a mentor and five-year award may apply for either the Scientist Development Award for Clinicians (SDAC) or the Scientist Development Award (SDA). Candidates who are established independent investigators may apply for the Level 2 Research Scientist Development Award (RSDA).

Salaries provided by the ADAMHA Research Career Awards are consistent with the awardee's institutional salary and the percent commitment to the grant, up to a maximum of \$45,000 when the institutional salary is below \$60,000 per year. When the institutional salary is above \$60,000, the ADAMHA contribution will be 75 percent of the institutional salary up to a maximum of \$75,000. Candidates for the SDAC and SDA may also request up to \$35,000 for research and career development expenses per year.

The Scientist Development Award for Clinicians, provides five years of supervised research experience for individuals trained primarily as clinicians, especially physicians. Candidates must have had at least two years of clinical training or experience at the postdoctoral level by the time the award is made. Although the award is not intended to support individuals with extensive research experience, candidates must have had sufficient research experience to demonstrate a credible interest in a research career. Recipients of previous research grant support (except small grants) are ineligible for this award.

The Scientist Development Award provides five years of supervised research experience for individuals who have had between one and four years of previous postdoctoral research training or experience by the time the award is made. Recipients of previous research grant support (except small grants) are ineligible for this award. However, in unusual circumstances an established scientist who wishes to make a significant change of research fields may apply for up to two years of support.

The Level 2 Research Scientist Development Award provides five years of salary support for scientists in either basic or clinical research who have established a record of independent research and publication. This award is also intended for scientists who have successfully completed an SDA, SDAC, or other entry level career development award.

Applications for ADAMHA Research Career Awards are judged on the quality of the candidates' previous research or clinical training and experience, the commitment to a career in ADAMHA-relevant research, the candidates' plan and potential to develop an independent research career, and the commitment of the candidates' institution to the development process. For the SDA and SDAC, the qualifications of the preceptor are also considered. Contact one of the Institute extramural program offices for information on the various provisions of these awards.

Institutional Research Training Grants: Awards are made to institutions to provide support for supervised training in basic or clinical research at the predoctoral and/or the postdoctoral level. Trainees are selected by the director of the Institutional Research Training Grant. Each trainee can receive support for up to five years at the predoctoral level and up to three years at the postdoctoral level. The stipends range from \$8,500 for predoctoral students to between \$17,000 and \$31,500 for postdoctoral trainees. These awards provide support for full-time training in research methodology and are not available to students in programs that lead to an M.D., D.O., D.D.S., or comparable professional degrees, or for study which is part of a residency program for training in a medical specialty. Details about the availability of training positions supported by ADAMHA training grants, application procedures, and service payback requirements can be obtained at your institution or from one of the contacts listed in this document.

Short-Term Research Training: A limited number of short-term research training grants are awarded to institutions for training undergraduates, medical students, graduate students, clinicians, as well as fully independent

research scientists for periods up to three months. Individual trainees are selected by the director of the training program. Stipends consistent with the level of previous training are pro-rated from the annual salaries cited under Institutional Research Training Grants, above. Contact your department chairman or your academic advisor about the availability of such ADAMHA awards at your institution.

RESEARCH

Principal Investigator on Research Project Grants: Research project grants are available to scientists at all levels of research experience. Of particular interest to scientists in the early stages of their careers are the FIRST AWARD and the SMALL GRANT. Research grant applications are judged on the scientific and technical merit of the proposed project.

Applicants for these awards should contact the appropriate ADAMHA Institute office for information and application forms.

The First Independent Research Support and Transition Award (FIRST) is designed to provide an initial period of research and salary support for a newly independent behavioral, biomedical, or clinical investigator. Funds up to \$350,000 are provided for project periods up to five years. This period of support provides an opportunity to demonstrate creativity and productivity and to assist the transition to traditional ADAMHA research grants.

Small Grants provide up to \$50,000 per year for up to two years for the support of research by less experienced investigators, investigators at small colleges, or more experienced investigators who wish to conduct pilot studies.

Research Associate on Research Project Grants and Center Grants: Researchers at all stages in their careers can receive support as research associates on research project and center grants. In practice, many of these positions are occupied by scientists who are also engaged in predoctoral or postdoctoral research training. Appointments are made by the Principal Investigator on the research or center grant. Contact your department chairman for information about positions supported by ADAMHA research and center grants. It should be noted that support provided by research awards differs from ADAMHA's research training programs in that the focus is not on training but on the conduct of the proposed research.

Intramural Opportunities

The intramural program of each ADAMHA Institute supports Staff Fellowships, Medical Staff Fellowships, and Individual Fellowships at the postdoctoral level in basic and clinical research relevant to the mission of ADAMHA. In addition, fellowships for junior and senior investigators are available through the ADAMHA Visiting Scientist Program. Most of the intramural facilities are physically located in or near Washington, D.C. Applicants for these positions should contact the intramural office of the Institute most closely related to their research interests for information on availability, stipends, and period of support.

Foreign Opportunities

Fellowships for postdoctoral development and research in foreign laboratories are available for U.S. citizens through the NIH Fogarty International Center. Additionally, the Fogarty International Center provides support for foreign scientists who wish to conduct research in U.S. laboratories. With appropriate justification, ADAMHA research grants, individual fellowships, and Research Career Awards can provide support in foreign settings. Contact the Fogarty International Center or one of the Institute extramural program offices for information.

INSTITUTE CONTACTS

The following offices can provide detailed information on application procedures and the availability of particular programs.

EXTRAMURAL PROGRAMS

Note: all of the extramural program offices have the same mailing address:

Parklawn Building
5600 Fishers Lane
Rockville, MD 20857

National Institute on Alcohol Abuse and Alcoholism
Division of Basic Research
Room 16C-06
Telephone: (301) 443-2530

Division of Clinical and Prevention Research
Room 14C-10
Telephone: (301) 443-1207

Division of Biometry and Epidemiology
Room 14C-26
Telephone: (301) 443-4897

National Institute on Drug Abuse
Division of Preclinical Research
Room 10A-31
Telephone: (301) 443-6480

Division of Clinical Research
Room 10A-38
Telephone: (301) 443-6697

Division of Epidemiology and Statistical Analysis
Room 11A-55
Telephone: (301) 443-6504

National Institute of Mental Health
Associate Director for Special Populations
Room 17C-16
Telephone: (301) 443-2847

Division of Applied and Services Research
Room 18C-26
Telephone: (301) 443-3865

Division of Basic Brain and Behavioral Sciences
Room 11-95
Telephone: (301) 443-4347

Division of Clinical Research
Room 10-95
Telephone: (301) 443-3264

INTRAMURAL OPPORTUNITIES

National Institute on Alcohol Abuse and Alcoholism
Division of Intramural Research
Building 10, Room 3C-103
NIH Campus
Bethesda, MD 20892
Telephone: (301) 496-8996

National Institute on Drug Abuse
Addiction Research Center
P.O. Box 5180
Baltimore, MD 21224
Telephone: (301) 550-1538

National Institute of Mental Health
Division of Intramural Research
Building 10, Room 4N-224
NIH Campus
Bethesda, MD 20892
Telephone: (301) 496-4183

FOREIGN OPPORTUNITIES

Fogarty International Center
NIH Campus
Building 38A, Room 613
Bethesda, MD 20892
Telephone: (301) 496-6688

OPPORTUNITIES FOR RESEARCH TRAINING AND DEVELOPMENT FROM ADAMHA
FOR MEDICAL STUDENTS AND M.D.s

Career Stage

Undergraduate: short-term training, research associate, MARC honors undergraduate

Medical student: short-term training, research associate, M.D./Ph.D. predoctoral fellowship

Resident: short-term training, research associate

Research fellowship: institutional research training grant, short-term training, research associate, individual fellowship, intramural fellowship

Junior faculty: short-term training, research associate, scientist development award, principal investigator on research grants

Independent research: short-term training, research associate, scientist development award, principal investigator on research grants

FOR GRADUATE STUDENTS AND PH.D.s

Career Stage

Undergraduate: short-term training, research associate, MARC honors undergraduate, minority institutions research development program

Graduate student: institutional research training grant, short-term training, research associate, minority fellowship program, minority biomedical research support, individual fellowship, M.D./Ph.D. predoctoral fellowship, MARC faculty fellowship

Postdoctoral study: institutional research training grant, short-term training, research associate, individual fellowships, intramural fellowships, MARC faculty fellowships

Junior faculty: short-term training, research associate, scientist development award, principal investigator on research grants

Independent research: short-term training, research associate, scientist development award, principal investigator on research grants