



JOHN E. FOGARTY INTERNATIONAL CENTER FOR
ADVANCED STUDY IN THE HEALTH SCIENCES

INTERNATIONAL OPPORTUNITIES IN BIOMEDICAL
RESEARCH AND TRAINING

SCIENCE POLICY CRITICAL RESEARCH LEADERSHIP GLOBAL HEALTH BUILDING RESEARCH CAPACITY INTERNATIONAL COOPERATION PARTNERSHIPS

NATIONAL INSTITUTES OF HEALTH
DEPARTMENT OF HEALTH AND HUMAN SERVICES

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“JUST AS DISEASE KNOWS NO BOUNDARIES, SO ALSO THE BENEFITS OF MEDICAL RESEARCH AND INDEED RESEARCH ITSELF CAN KNOW NO BOUNDARIES.”

Congressman John E. Fogarty

I N T R O D U C T I O N

The Fogarty International Center (FIC) of the National Institutes of Health (NIH) has been a critical component of the NIH research effort since 1968. It was established to advance health through international scientific cooperation and to serve as the locus for NIH international activities. Congressman John E. Fogarty, in whose memory the Center is named, understood that “just as disease knows no boundaries, so also the benefits of medical research and indeed research itself can know no boundaries,” and thus he envisioned a center at the NIH “dedicated to international collaboration and the health of mankind.”

FIC promotes and supports scientific research and training internationally to reduce disparities in global health. FIC fosters research partnerships between U.S. scientists and foreign counterparts through international research grants, training grants, and fellowships. This brochure lists these programs, in addition to other international opportunities supported by the NIH. We hope this information assists scientists throughout the world to advance their research interests and careers through international cooperation.

Additional information about FIC is available on the Internet at: <http://www.fic.nih.gov>.

INTERNATIONAL TRAINING GRANTS

AIDS INTERNATIONAL TRAINING AND RESEARCH PROGRAM

(For U.S. and Foreign Scientists)

The FIC *AIDS International Training and Research Program* supports HIV/AIDS-related research training to strengthen the capacity of institutions in developing countries and the Newly Independent States (NIS). Grants are awarded to U.S. and developed country institutions with strong HIV-related research training experience and with HIV-related research collaborations with institutions in developing countries and the NIS. These institutions, in partnership with their foreign collaborating institutions, identify foreign health scientists, clinicians, and allied health workers from the foreign countries to participate in their joint research training programs.

The primary goal of this program is to build multi-disciplinary biomedical and behavioral research capacity for the prevention of HIV/AIDS-related infections, and for the integration of prevention with therapy and care for those adults and children affected by HIV/AIDS in the collaborating country.

The program is supported in collaboration with the National Institute of Allergy and Infectious Diseases, the National Institute on Alcohol Abuse and Alcoholism, the National Heart, Lung, and Blood Institute, the National Institute of Mental Health, the National Institute on Drug Abuse, the National Institute of Dental and Craniofacial Research, the National Cancer Institute, the National Institute of Nursing Research, the NIH Office of AIDS Research, and The NIH Office of Research on Women's Health.

Eligibility

- Any individual from an eligible institution with the skills, knowledge, and resources necessary to carry out the proposed international HIV/AIDS and HIV-related research training is invited to work with their institution to develop an application for support. U.S. (or pre-approved non-U.S.) applicants must apply with a developing country institution(s) with whom they have a demonstrable history of HIV/AIDS and HIV-related research collaboration.

Award Provisions

Institutional research training awards for a period of 5 years.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors and additional information about this program are available on the Internet at: <http://www.fic.nih.gov/programs/aitrp/aitrp.html>.

Questions may be addressed to:
Division of International Training
and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1492
Fax: (301) 402-0779/2056
E-mail: mcdermoj@mail.nih.gov
Website: <http://www.fic.nih.gov>

GLOBAL INFECTIOUS DISEASE RESEARCH TRAINING PROGRAM

(For U.S. and Foreign Scientists)

The Global Infectious Disease Research Training Program enables non-profit, private or public institutions in the United States or in developing countries to engage in research training on infectious diseases, with the exception of HIV/AIDS, that predominantly impact people living in developing countries. This program consolidates several FIC research training programs previously supported individually, including the International Training and Research Program in Emerging Infectious Diseases; Actions for Building Capacity in Support of ICIDR Programs; Tuberculosis International Training and Research Program; and International Malaria Research Training Program.

FIC supports the Global Infectious Disease Research Training Program in collaboration with the National Institute of Allergy and Infectious Diseases, the National Institute of Dental and Craniofacial Research, and the Centers for Disease Control and Prevention (CDC).

Questions may be addressed to:

Division of International
Training and Research
Fogarty International Center
National Institutes of Health
31 Center Drive, MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653/1654
Fax: (301) 402-0779/2056
E-mail: sinab@mail.nih.gov
Website: <http://www.fic.nih.gov>

Eligibility

- Domestic and foreign (eligible countries listed below) non-profit private or public institutions, such as universities, colleges, hospitals and laboratories.
- U.S. applicants must apply together with a developing country institution with which they have a demonstrable history of research collaboration.
- Developing country applicants should apply in collaboration with a U.S. institution capable of enhancing the proposed training opportunities.
- Eligible developing country institutions include low-and middle-income countries in the following regions: Africa, Asia (except Japan, Singapore, South Korea and Taiwan), Central and Eastern Europe (Hungary, Poland the Czech and Slovak Republics, Romania, Bulgaria, Albania, Turkey and the countries of the former Yugoslavia), Russia and the NIS, Latin America and the Caribbean, the Middle East (except Israel), and the Pacific Ocean region (except Australia and New Zealand).

Award Provisions

- Five-year institutional award of up to \$150,000 per year in total costs.
- One-year planning grant up to \$25,000 for developing country applicants.

Application Procedures

Deadlines for this program announcement can be found at: <http://grants1.nih.gov/grants/guide/pa-files/pa-03-012.html>. Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors, and additional information about this program are available on the Internet at: <http://www.fic.nih.gov>

INFORMATICS TRAINING FOR GLOBAL HEALTH

(For U.S. and Foreign Scientists)

The FIC Informatics Training for Global Health Program, supported in collaboration with the National Library of Medicine, the National Human Genome Research Institute, and the National Institute of Biomedical Imaging and Bioengineering, aims to train individuals who will apply state-of-the-art information technologies to research, health surveillance, and other biomedical applications and who will function in their home institutions as trainers and leaders in these technologies; to raise awareness of and access to informatics resources within the larger scientific community at the foreign institution and in the region; and to develop training opportunities for informatics at the foreign institution that will be sustainable after the conclusion of the project.

Eligibility

- Domestic, and low- to middle-income foreign non-profit public or private organizations, such as universities, health professional schools and research institutions capable of meeting the objectives of the program. A list of eligible low-and middle-income countries can be found at: <http://www.worldbank.org/data/databytopic/CLASS.XLS>.
- U.S. applicants must apply together with a single developing country institution and must identify an individual at that institution as a primary foreign collaborator.
- The developing country institution must be an NIH grant recipient or a substantial foreign partner (i.e. scientists from the foreign institution must be named as key personnel on the NIH grant) in a minimum of three active FIC- or NIH-funded major research or training grants at the time of anticipated award. At least one of the three qualifying grants must be for research.

Award Provisions

- Institutional award of up to \$250,000 per year in total costs for a period of up to five years.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors, and additional information about this program are available on the Internet at: <http://www.fic.nih.gov/programs/itgh.html>.

Questions may be addressed to:
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National Institutes of Health
31 Center Drive, MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653/1654
Fax: (301) 402-0779/2056
E-mail: katzf@mail.nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL BIOETHICS EDUCATION AND CAREER DEVELOPMENT AWARD

(For U.S. and Foreign Scientists)

The FIC *International Bioethics Education and Career Development Award* provides funds to develop or expand on current graduate curricula in international bioethics related to performing research in low- and middle-income nations. Curricula will include a core set of advanced study courses that primarily focus on the internationally relevant aspects of the ethical, legal, and social principles guiding the responsible conduct of research in developing countries, particularly on scientific integrity and the protection of the interests of research participants.

This program is supported in collaboration with the National Heart, Lung, and Blood Institute, the National Center for Complementary and Alternative Medicine, the National Institute of General Medical Sciences, the National Institute of Dental and Craniofacial Research, the National Institute of Environmental Health Sciences, National Human Genome Research Institute, National Institute of Allergy and Infectious Diseases, and the National Institute on Drug Abuse.

Eligibility

- U.S. and international non-profit, public or private organizations, including medical schools or schools of public health, or comparable institutions of higher education, or research institutions that have strong, well-established graduate bioethics and/or ethics research training programs.

Award Provisions

Institutional awards for a period of up to 4 years:

- Allow institutions to develop a comprehensive ethics curriculum with a focus on the ethics of conducting research in developing countries;
- Train a cohort of developing country participants; and
- A two-year planning grant for developing country applicants.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors, and additional information about this program are available on the Internet at: <http://www.fic.nih.gov>.

Questions may be addressed to:

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E-mail: sinab@mail.nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL CLINICAL, OPERATIONAL, AND HEALTH SERVICES RESEARCH TRAINING AWARD

(For U.S. and Foreign Scientists)

In collaboration with the National Institute of Mental Health, the National Institute on Drug Abuse, and the National Institute on Aging, the FIC *International Clinical, Operational and Health Services Research and Training Award (ICOHRTA)*, supports training to facilitate collaborative, multidisciplinary, international clinical, operational, health services and prevention research between U.S. institutions and those in developing countries of Africa, Asia, and Latin America, as well as emerging democracies of Eastern Europe, Russia, and the CIS.

The awards are intended to strengthen global capacity to characterize the disease burden of chronic conditions, encourage international efforts to apply current knowledge and new discoveries to clinical public health practice, and evaluate practical and affordable therapeutic or preventive interventions and health service delivery for global health problems in the context of local needs and conditions.

Eligibility

- U.S. non-profit public and private or public academic institutions.
- Other non-profit institutions that satisfy the academic requirements of the program.
- U.S. applicants must be program directors or project directors on an eligible "parent grant" from participating NIH institutes that is active and funded at the start of the ICOHRTA budget period.

Award Provisions

- Five-year institutional awards of up to \$250,000 per year to support direct costs.
- Three-year developmental awards of up to \$100,000 per year for direct costs.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors, and additional information about this program are available on the Internet at: <http://www.fic.nih.gov/programs/grants/html#training>.

Questions may be addressed to:

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National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: micheisk@mail.nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL CLINICAL, OPERATIONAL, AND HEALTH SERVICES RESEARCH TRAINING AWARD FOR AIDS AND TUBERCULOSIS

The *International Clinical, Operational, and Health Services Research Training Award for AIDS and Tuberculosis (ICOHRTA-AIDS/TB)* supports integrated clinical, operational and health services research training to strengthen the capacity of institutions in developing countries and the NIS where AIDS, TB, or both are significant problems. The primary goal of this program is to strengthen integrated clinical, operational, and health services research capacity across the full range of conditions and issues that relate to care of adult and pediatric patients with HIV/AIDS or TB.

The program is supported in collaboration with the National Institute of Allergy and Infectious Diseases, National Institute on Alcohol Abuse and Alcoholism, National Cancer Institute, National Institute of Child Health and Human Development, National Institute on Drug Abuse, National Institute of Mental Health, National Institute of Neurological Disorders and Stroke, Office of AIDS Research, and Office of Research on Women's Health, as well as the CDC, and USAID.

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E-mail: mcdermoj@mail.nih.gov
Website: <http://www.fic.nih.gov>

Eligibility

• Phase 1

One-year planning grants to support the development of full research training applications in Phase II are awarded to institutions in developing countries and the NIS with strong HIV-or TB-related research experience.

• Phase II

Grants to support a research training program are awarded to Phase I awardees and to the U.S. and developed country institution partners with whom they have strong HIV-or TB-related research collaborations.

Award Provisions

- ICOHRTA AIDS-TB Phase I awards are made for 12 months at a level of up to \$75,000 in direct costs (or three modules of \$25,000), plus eight percent facilities and administrative costs. Phase II awards will be made with each of the research partners for a five-year period. Each research partner will receive total costs up to \$300,000 per year. Facilities and Administrative (F&A) costs are limited to eight percent.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors, and additional information about this program are available on the FIC website at <http://www.fic.nih.gov/programs/ICOHRTA-AIDS-TB/ICOHRTA-AIDS-TB.html>.

**INTERNATIONAL
COLLABORATIVE
GENETICS RESEARCH
TRAINING PROGRAM**

In collaboration with six NIH partners and the World Health Organization (WHO), FIC supports the ***International Collaborative Genetics Research Training Program***. The program is supported together with the National Human Genome Research Institute, the National Institute of Mental Health, the National Institute on Aging, the National Institute of Environmental Health Sciences, the National Institute of Neurological Disorders and Stroke, and the National Institute on Drug Abuse. In addition to training in genetic science, the program addresses the ethical, social, and legal implications of performing genetics research. It provides educational opportunities through workshops and short- and long-term training for scientists from low- and middle-income countries, with the goal of building genetics research capacity within these countries to address their health needs.

Eligibility

- Public and private domestic and foreign, for-profit and non-profit organizations.

Award Provisions

- Training awards provide up to \$400,000 per year in direct costs for a project period of up to 5 years.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors and additional information about this program are available on the FIC website at <http://www.fic.nih.gov>.

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Building 31, Room B2C32
31 Center DR MSC 2220
Bethesda, MD 20892-2220
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Fax: (301) 402-0779/2056
E-mail: katzf@mail.nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL MATERNAL AND CHILD HEALTH RESEARCH AND TRAINING PROGRAM

(For U.S. and Foreign Scientists)

In collaboration with the National Institute of Child Health and Human Development FIC funds the ***International Maternal and Child Health Research and Training Program***. This program enables U.S. institutions to support training-related research on maternal and child health issues that are predominately endemic in or impact upon people living in developing countries. This is an institutional training grant. Applications are accepted from U.S. institutions in response to a specific request for applications. Individuals from foreign nations who wish to become trainees must apply to the project director of an awarded grant.

Eligibility

- U.S. for-profit and non-profit organizations; and public and private institutions, such as universities, colleges, hospitals, and laboratories.
- Only one application per U.S. institution will be accepted.

Award Provisions

Institutional awards for a period of 5 years, including:

- Pre-doctoral training in maternal and child health-related biomedical and behavioral research disciplines, and data management and analysis in support of that research, which may lead to an M.S. or Ph.D. or equivalent degree;
- Postdoctoral research experience, including related clinical training;
- Three to six months training in laboratory procedures and research techniques; and
- One-time award for advanced research training upon return to the home country.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors and additional information about this program are available on the Internet at: <http://www.fic.nih.gov/programs/maternal.html>.

Questions may be addressed to:

Division of International Training
and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1492
Fax: (301) 402-0779/2056
E-mail: mcdermoj@mail.nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL TRAINING AND RESEARCH PROGRAM IN ENVIRONMENTAL AND OCCUPATIONAL HEALTH

(For U.S. and Foreign Scientists)

In collaboration with the National Institute of Environmental Health Sciences, the National Institute for Occupational Safety and Health, and the Agency for Toxic Substances and Disease Registry of the Centers for Disease Control and Prevention, FIC funds non-profit public or private institutions to support international training and research programs in general environmental health and occupational health for foreign health scientists, clinicians, epidemiologists, toxicologists, engineers, industrial hygienists, chemists, and allied health workers. The program aims to complement ongoing environmental and occupational health research and training efforts of the NIH and other agencies of the U.S. Government.

Eligibility

- U.S. non-profit private or public academic institutions;
- Only one application per U.S. institution will be accepted.

Award Provisions

Institutional awards for a period of 5 years, including:

- Predoctoral training in research related to environmental and occupational health (at a U.S. institution);
- Postdoctoral training in laboratory procedures, research projects and techniques related to environmental and occupational health-related research (at a U.S. institution or in the trainee's home country); and
- Participation in advanced research training conducted by U.S. faculty in the trainee's home country and short term training at a U.S. institution.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors and additional information about this program are available on the Internet at: <http://www.fic.nih.gov>.

Questions may be addressed to:

Division of International Training and Research
Fogarty International Center
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31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: primacka@mail.nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL TRAINING AND RESEARCH PROGRAM IN POPULATION AND HEALTH

(For U.S. and Foreign Scientists)

In cooperation with the National Institute of Child Health and Human Development and the National Institute on Aging, FIC funds U.S. non-profit public or private institutions to support international training and research in population-related sciences. The program enables NIH grant recipients to extend the geographic base of research and training efforts to developing nations, in support of international population priorities.

Questions may be addressed to:

Division of International Training
and Research
Fogarty International Center
National Institutes of Health
Building 31, Room B2C32
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653/1654
Fax: (301) 402-0779/2056
E-mail: nugentra@mail.nih.gov
Website: <http://www.fic.nih.gov>

Eligibility

- Principal investigators of an NIH sponsored research project grant; project directors of an NIH center grant, program project grant, or cooperative agreement. At least 18 months of active research support must remain on the parent grant when an application is submitted.

Award Provisions

Institutional awards for a period of 5 years, including:

- Predoctoral training in population research (at a U.S. institution);
- Postdoctoral training in laboratory procedures, research projects and techniques related to population research (at a U.S. institution or in the trainee's home country); and
- Participation in advanced research training conducted by U.S. faculty in the trainee's home country and short term training at the U.S. institution.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors and additional information about this program are available on the Internet at: <http://www.fic.nih.gov>.

INTERNATIONAL RESEARCH GRANTS

BRAIN DISORDERS IN THE DEVELOPING WORLD: RESEARCH ACROSS THE LIFESPAN

(U.S. and Foreign Scientists)

FIC, with nine NIH partners; the Canadian Institutes of Health Research (CIHR) Institute of Neuroscience, Mental Health and Addiction; and the Consejo Nacional de Ciencia y Tecnología (CONACYT) of Mexico, supports a research grant program on *Brain Disorders in the Developing World: Research Across the Lifespan*.

The purpose of the program is to plan and develop collaborative research and capacity building projects on brain disorders, relevant to low- and middle-income nations. Projects develop innovative, collaborative research programs that contribute to the long-term goal of building sustainable research capacity in neurological/neurodevelopmental (including sensory, motor, cognitive and behavioral) impairment throughout life.

In addition to FIC, the nine NIH partners are: The National Eye Institute, the National Institute on Aging; the National Institute on Alcohol Abuse and Alcoholism; the National Institute of Child Health and Human Development, the National Institute on Drug Abuse, the National Institute of Environmental Health Sciences, the National Institute of Mental Health, the National Institute of Neurological Disorders and Stroke, and the Office of Dietary Supplements.

Eligibility

- U.S. and foreign for-profit or non-profit organizations; public or private institutions, such as universities, colleges, hospitals, and laboratories; units of state and local governments, and faith-based or community-based organizations.
- At least two investigators (one from an institution in a high-income country and one from an institution in a low-to-middle income country) must collaborate on the application as Principal Investigator (PI) and Co-Investigator. The PI may be from the low-to-middle income country or from the U.S. or other high-income nation or institution.
- A list of eligible low-and middle-income countries can be found at: <http://www.worldbank.org/data/databytopic/CLASS.XLS>.

Award Provisions

- The award uses the NIH Exploratory Grant (R21) mechanism. It provides up to \$100,000 per year, in increments of \$25,000, for a maximum of two years to plan, strengthen and develop collaborations and conduct studies to obtain preliminary data for future research project grant applications (R01).
- Foreign institutions may request facilities and administrative costs up to a maximum of eight percent.

Application Procedures

Additional information about this program is available on the FIC website at <http://www.fic.nih.gov>.

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Fax: (301) 402-0779/2056
E-mail: brainfic@nih.gov
Website: <http://www.fic.nih.gov>

ECOLOGY OF INFECTIOUS DISEASES PROGRAM

(For U.S. and Foreign Scientists)

The *Ecology of Infectious Diseases Program* is jointly supported by NIH and the National Science Foundation (NSF) to fund interdisciplinary research programs to improve understanding of the underlying ecological and biological mechanisms that govern relationships between human-induced environmental changes and the emergence and transmission of infectious diseases. These changes include, but are not limited to, deforestation, habitat destruction or fragmentation, biological invasion, climate change, unsustainable agricultural practices, and environmental pollution. The focus of the initiative is on the development of predictive models for the emergence and transmission of diseases in humans and other animals, and ultimately the development of strategies to prevent or control them. Partners in the Ecology of Infectious Diseases Initiative are NSF, FIC, the National Institute of Allergy and Infectious Diseases, the National Institute of Environmental Health Sciences, and the National Institute of General Medical Sciences.

Eligibility

- Scientists affiliated with domestic and foreign for-profit and non-profit organizations, both public and private, (including domestic institutions with foreign collaborators) such as universities, colleges, hospitals, laboratories, units of State and local governments, and eligible agencies of the Federal Government.

Award Provisions

- Up to \$350,000 per year in direct costs for a project period of up to 5 years.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors and additional information about this program are available on the Internet at: <http://www.fic.nih.gov>.

Questions may be addressed to:

Division of International
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Fogarty International Center
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31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: rosenthj@mail.nih.gov
Website: <http://www.fic.nih.gov>

FOGARTY INTERNATIONAL RESEARCH COLLABORATION AWARD

(For U.S. and Foreign Scientists)

The *Fogarty International Research Collaboration Award (FIRCA)* provides small research grants to foster international research partnerships between NIH supported U.S. scientists and their collaborators in regions of the developing world. The FIRCA aims to extend and enhance the research of the U.S. investigator while benefiting the scientific interests of the foreign scientist.

Eligibility

- Principal investigators of a U.S.-based NIH-sponsored research project grant that will be active for at least 1 year beyond the submission date of the FIRCA application.
- Scientists affiliated with public and private research institutions in developing countries of Africa, Asia (except Japan, Singapore, South Korea and Taiwan), Central and Eastern Europe, Russia and the Newly Independent States of the Former Soviet Union, Latin America and the non-U.S. Caribbean, the Middle East and the Pacific Islands (except Australia and New Zealand).

Award Provisions

- Up to \$32,000 per year for up to 3 years to support direct costs;
- Funds for supplies and equipment necessary to the collaborative research project (for the foreign collaborator's laboratory only); and
- Funds for travel for the U.S. principal investigator, the foreign collaborator and/or their research associates.

In addition, up to \$2,000 is allowed for conference travel for the foreign collaborator.

- No salaries are offered under these awards. However, a stipend of up to \$5,000 may be allocated for the foreign collaborator, if justified.

Application Procedures

Deadlines for receipt of applications are March 25, July 25, and November 25 of each year.

Applications must be submitted on the grant application form PHS 398, which is available from:

Division of Extramural Outreach
and Information Resources
Office of Extramural Research
National Institutes of Health
Rockledge 2 Building, Suite 6095
6701 Rockledge DR MSC 7910
Bethesda, MD 20892-7910
Telephone: (301) 435-0714
E-mail: GrantsInfo@nih.gov
Website: <http://grants.nih.gov/grants/oer.htm>

Special instructions are necessary to complete the application and can be obtained on the Internet at:
<http://www.nih.gov/fic>.

Or from:

Division of International Training
and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: firca@nih.gov
Website: <http://www.fic.nih.gov>

GLOBAL HEALTH RESEARCH INITIATIVE PROGRAM FOR NEW FOREIGN INVESTIGATORS

In collaboration with other NIH Institutes, Centers, and Offices, FIC supports the ***Global Health Research Initiative Program (GRIP) for New Foreign Investigators***. This program promotes the productive re-entry of young NIH-trained foreign investigators from the developing world to their home countries. The specific goal of this program is to provide funding opportunities upon return home for the increasing pool of foreign biomedical and behavioral scientists, clinical investigators, nurses, and other health professionals with state-of-the-art knowledge of research methods to advance critical issues in global health when they return home. Upon completion of their research experiences using this grant mechanism, developing country participants supported by this RFA are expected to continue to pursue independent and productive careers, including expert training and consultation and/or research of biomedical issues within their home institutions.

Questions may be addressed to:

Division of International
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National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: primacka@mail.nih.gov
Website: <http://www.fic.nih.gov>

Eligibility

- Developing country scientists currently or recently supported through FIC D43 international training programs; and
- Developing country scientists currently or recently trained through the NIH Visiting Program for Foreign Scientists.

Award Provisions

GRIP provides partial salaries to the junior researcher returning home, equivalent to similar professionals in the home country, and provides support for research projects. Specifically, an applicant can request up to two modules of \$25,000 each, or total direct costs of \$50,000 per year, plus Facilities and Administrative (F&A) costs up to a maximum of eight percent for a foreign institution. The Principal Investigator is expected to devote at least 50 percent of his/her total effort to this project.

Application Procedures

The GRIP Request for Applications is posted regularly. It can be accessed through the NIH Guide for Grants and Contracts or through the FIC website at <http://www.fic.nih.gov>.

HEALTH, ENVIRONMENT AND ECONOMIC DEVELOPMENT

(For U.S. and Foreign Scientists)

The Health, Environment and Economic Development (HEED) Program encourages developmental and exploratory research and research capacity-building in developing countries on topics that combine the issues of health, environment and economic development in order to improve scientific understanding of the relationships among those factors, and suggest guidance for policy. The program funds interdisciplinary, international research collaborations to examine the health effects of major economic development trends that affect the natural environment. It focuses on developing a better understanding of the economic behavior and incentives of individuals and groups that affect health outcomes through changes in environmental conditions.

FIC funds the HEED program in collaboration with the National Institute of Environmental Health Sciences, the National Institute of Child Health and Human Development, the National Institute on Aging, the NIH Office of Behavioral and Social Science Research, the United States Geological Survey, and the National Council on Science and Technology of Mexico (CONACYT).

Eligibility

- U.S. and foreign for-profit or non-profit organizations; public or private institutions, such as universities, colleges, hospitals, and laboratories; units of state and local governments, and faith-based or community-based organizations.
- Foreign collaborators should be from Africa, Russia and Eastern Europe, Asia (except Japan Singapore, South Korea and Taiwan), the Pacific Island Region (except Australia and New Zealand), the Middle East (except Israel), Latin America or the Caribbean.
- The primary foreign collaborator must either hold a full-time research position or should have a full-time faculty position with a strong research commitment.

Award Provisions

- Institutional grant of up to \$100,000 per year for a maximum of two years to plan, strengthen and develop collaborations and conduct studies to obtain preliminary data for future research project grant applications (R21), or
- Institutional grant of up to \$400,000 per year for a maximum of five years to carry out research on HEED (RO1).

Application Procedures

Additional information about this program is available on the FIC website at <http://www.fic.nih.gov>

Questions may be addressed to:

Division of International Training and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653/1654
Fax: (301) 402-0779/2056
E-mail: nugentra@mail.nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL COOPERATIVE BIODIVERSITY GROUPS

(For U.S. and Foreign Scientists)

The *International Cooperative Biodiversity Groups (ICBG)* program is a unique interagency effort to integrate improvement of human health through drug discovery, incentives for conservation of biodiversity, and new models of sustainable economic activity through research and capacity building programs in biodiversity-rich developing countries. The program is funded and managed jointly by the Fogarty International Center; the National Cancer Institute; the National Heart, Lung, and Blood Institute; the National Institute of Allergy and Infectious Diseases; the National Institute on Drug Abuse; the National Institute of Mental Health; the National Science Foundation; and the Foreign Agricultural Service of the U.S. Department of Agriculture.

Eligibility

- U.S. non-profit private or public institutions, in collaboration with at least one developing country institution and other public and private organizations to comprise a multidisciplinary group.

Award Provisions

- Institutional awards for 5 years, in the form of cooperative agreements to support multidisciplinary research and capacity building in developing countries.
- Projects include acquisition and analysis of natural products derived from biological diversity as potential therapeutic agents for diseases of concern to both developed and developing countries; surveys and inventories of plants, animals, and microorganisms; efforts to examine and preserve traditional medicine practices; and development of long-term strategies to ensure sustainable management of biological diversity.
- In addition to research and training efforts, the program builds incentive and opportunities for conservation of biodiversity through new models of research partnerships and treatment of intellectual property.

Application Procedures

Decisions about whom to accept for training are made by the principal investigators. A listing of grantee institutions and principal investigators and additional information about this program are available on the Internet at: <http://www.fic.nih.gov/programs/icbg.html>.

Questions may be addressed to:

Division of International Training
and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: rosenthj@mail.nih.gov
Website: <http://www.fic.nih.gov>

**INTERNATIONAL
STUDIES ON HEALTH
AND ECONOMIC
DEVELOPMENT**

(For U.S. and Foreign Scientists)

The *International Studies on Health and Economic Development Program* examines the effects of health and microeconomic agents (individuals, households, and enterprises) and aggregate growth (cross-country growth analysis), and explores how health finance and delivery systems are a source of variation in health outcomes. Studies must be relevant to populations in low- and middle income-nations and should be either hypothesis testing or hypothesis generating.

This program is supported in collaboration with the National Institute on Aging, the National Institute of Child Health and Human Development, the National Institute of Mental Health, the NIH Office of Behavioral and Social Science Research, and the Global Development Network.

Eligibility

- Domestic and foreign, for-profit and non-profit organizations, public and private, such as universities, colleges, hospitals, laboratories, units of State and local governments, and eligible agencies of the Federal Government.

Award Provisions

- Up to \$400,000 per year for up to 5 years to support direct costs.

Application Procedures

Further information about this program is available on the Internet at: <http://www.fic.nih.gov>.

Questions may be addressed to:
Division of International Training
and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: nugentra@mail.nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL TOBACCO AND HEALTH RESEARCH AND CAPACITY BUILDING PROGRAM

(For U.S. and Foreign Scientists)

The FIC *International Tobacco and Health Research and Capacity Building Program* supports projects that address the burden of tobacco consumption in low- and middle-income nations. Projects pursue observational, intervention and policy research of local relevance, and build capacity in epidemiological and behavioral research, prevention, treatment, communications, health services and policy research. The program aims to train low- and middle-income nation investigators who will examine the manifestations, determinants and outcomes of tobacco use, including smokeless tobacco products, and evaluate interventions in a range of areas.

This program is supported in collaboration with the National Cancer Institute, The National Institute of Child Health and Human Development, the National Institute of Mental Health, the National Institute of Nursing Research, and the National Institute on Drug Abuse, and the CDC.

Eligibility Requirements

- Public and private domestic and foreign, for-profit and non-profit organizations.

Award Provisions

- Up to \$400,000 per year in direct costs for a project period of up to 5 years.

Application Procedures

Decisions about whom to accept for training are made by the program directors. A listing of grantee institutions and program directors and additional information about this program are available on the Internet at: <http://www.fic.nih.gov>.

Questions may be addressed to:

Division of International
Training and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: primacka@mail.nih.gov
Website: <http://www.fic.nih.gov>

STIGMA AND GLOBAL HEALTH RESEARCH PROGRAM

FIC, with 11 NIH partners, the Health Resources and Services Administration, and the Canadian Institutes of Health Research supports the *Stigma and Global Health Research Program*. In addition to FIC, the 11 NIH partners are the National Center on Minority Health and Health Disparities, the National Human Genome Research Institute, the National Institute on Alcohol Abuse and Alcoholism, the National Institute of Allergy and Infectious Diseases, the National Institute of Dental and Craniofacial Research, the National Institute on Drug Abuse, the National Institute of Mental Health, the National Institute of Neurological Disorders and Stroke, the Office of AIDS Research, the Office of Behavioral and Social Sciences Research, and the Office of Research on Women's Health. The purpose of the program is to stimulate interdisciplinary, investigator-initiated research on the role of stigma in health, and on how to intervene to prevent or mitigate its negative effects on the health and welfare of individuals, groups and societies worldwide.

Eligibility

U.S. and foreign for-profit or non-profit organizations; public or private institutions, such as universities, colleges, hospitals, and laboratories; units of state and local governments; agencies of the U.S. federal government.

Award Provisions

- R21 grant applicants may have a project period of up to three years with a total direct cost of \$100,000 per year.
- R01 grant applicants may have a project period of up to five years and up to 1) \$500,000 in direct costs per year for applications in which comparative or intervention studies at two or more international sites are planned, and which involve an international team of investigators. 2) \$200,000 in direct costs per year for all other projects.

Application Procedures

Additional information about this program is available on the FIC website at <http://www.fic.nih.gov>.

Questions may be addressed to:

Division of International
Training and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: stigmafic@nih.gov
Website: <http://www.fic.nih.gov>

INTERNATIONAL FELLOWSHIPS AND OTHER OPPORTUNITIES

INTERNATIONAL RESEARCH SCIENTIST DEVELOPMENT AWARD

(For U.S. Scientists)

The *International Research Scientist Development Award* provides opportunities in basic, clinical, or behavioral/social biomedical research to U.S. post-doctoral scientists in the formative stage of their careers to extend their research experience to laboratories or other research settings in the developing world. The program aims to forge working relationships between future heads of health research programs in the United States and established researchers in developing countries that will lead to ongoing collaborations in the study of health problems of mutual interest.

Eligibility

- Applicant must be a U.S. citizen or permanent resident;
- A doctoral or medical degree, or the equivalent, in a social science, behavioral science or health science field earned within the past 7 years;
- A demonstrated commitment and competence in health research;

- An invitation from a sponsor affiliated with an internationally recognized developing country research facility in Africa, Asia (except Japan, Singapore, South Korea and Taiwan), Central and Eastern Europe, Russia and the Newly Independent States of the Former Soviet Union, Latin America and the Caribbean, the Middle East (except Israel) and the Pacific Ocean Islands (except Australia and New Zealand). Applications to work in institutions in Sub-Saharan Africa are especially encouraged; and
- Applicant must have a U.S. sponsor/mentor at a research institution. An enhancing factor for consideration is having U.S. and foreign-funded mentors with ongoing collaborative research.

Award Provisions

- Four years of support with at least 50% on site over the life of the grant, at a developing world center of scientific excellence;
- Salary and fringe benefits up to \$75,000 for 3 years based on level of experience;
- Allowance up to \$20,000 per year for relevant research materials;
- Economy class round-trip airfare and necessary ground transportation for the candidate to the foreign site; and
- Language training, if justified.

Application Procedures

Information on application procedures is available on the Internet at: <http://www.fic.nih.gov/programs/irsda.html>.

Questions may be addressed to:

Division of International Training
and Research
Fogarty International Center
National Institutes of Health
Building 31, Room B2C32
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: nugentr@mail.nih.gov
Website: <http://www.fic.nih.gov>

FOGARTY-ELLISON OVERSEAS FELLOWSHIPS IN GLOBAL HEALTH AND CLINICAL RESEARCH

(For U.S. medical, osteopathic and public health graduate students)

FIC, with support from the Ellison Medical Foundation, is offering a one-year mentored clinical research training experience at selected developing country sites for graduate level U.S. students in the health professions. The 14 clinical research centers have NIH-funded research as well as FIC training grants, and are in a diverse group of countries, including Botswana, Brazil, Haiti, India, Kenya, Mali, Peru, South Africa, Thailand, Uganda, and Zambia.

Eligibility

- Students at U.S. medical, osteopathic, dental, and nursing schools who have completed their basic science courses and one year of clinical clerkship; and students in doctoral public health programs who have completed their coursework and passed their qualifying exams prior to the beginning of the fellowship.
- Students with support of their home academic institution, including a committed mentor.

Award Provisions

- Approximately one year of clinical research training, starting with a three-week orientation program at the NIH in Bethesda, Maryland and followed by ten plus months at the foreign site.
- Each U.S. scholar will receive a stipend of \$18,000-\$20,000 per year (adjusted to cost of living expenses at the foreign site) and an additional \$6,000 per year for travel, insurance, and educational materials.
- The foreign training site will receive \$10,000 per U.S. trainee for programmatic support including mentoring and administration, laboratory costs, and support of educational programs.
- Additional funds will be provided to support a graduate level trainee from the foreign site who will be paired with the U.S. trainee in the clinical research training program.

Application Procedures

The program is administered by the Association of American Medical Colleges (AAMC) and the Association of Schools of Public Health. Additional information is program is available on the AAMC website at www.aamc.org/overseasfellowship.

U.S. CIVILIAN RESEARCH & DEVELOPMENT FOUNDATION

(For U.S. and Foreign Scientists)

The *U.S. Civilian Research & Development Foundation (CRDF)* is a nonprofit organization authorized by the U.S. Congress and established in 1995 by the National Science Foundation to fund collaboration between the United States and other countries, primarily those of the former Soviet Union (FSU). In addition to advancing the transition of weapons scientists to civilian work, this unique public-private partnership supports exceptional research that offers FSU scientists and engineers alternatives to emigration and strengthens the scientific and technological infrastructure of their home countries.

The Cooperative Grants Program (CGP) is the flagship of the Foundation's activities, providing support to joint U.S. and FSU research teams in all areas of basic and applied research in the natural sciences, mathematics, engineering, and biomedical and behavioral sciences. Since 1997, the U.S. National Institutes of Health (NIH) has contributed funding to CRDF to support over 150 joint projects in the biomedical and behavioral sciences. In addition, NIH has supported targeted research projects in the areas of biodefense and HIV/AIDS as well as proposal development workshops. Additional funding is provided by the U.S.

Department of State, the National Science Foundation, several FSU governments, and the Armenian Academy of Sciences.

Eligibility

Scientists and engineers from all FSU countries except Belarus are eligible to apply, in partnership with a U.S. colleague. Based on its successful experience in the FSU, the CRDF is currently expanding its activity to other geographical regions, including the Baltics States, the Balkans, and the Middle East.

Award Provisions

- CGP grants provide up to two years of support to joint U.S.-FSU research teams.
- CGP grants average \$60,000 and include individual financial support, equipment, supplies and travel support to FSU participants, institutional support to the FSU grantee institution, as well as U.S. team expenses for travel, supplies, and graduate student stipends.
- CGP grants are awarded on a competitive basis. A merit review process that includes external peer review and assignment to disciplinary review panels rigorously evaluates research proposals.
- CGP accepts proposals on a rolling basis. An individual may only submit an application once every 12 months.

Application Procedures

Applications must be submitted electronically through CRDF's Electronic Proposal Submission system (EPS) system on the CRDF website (www.crdf.org).

The CRDF is based in Arlington, Virginia, with offices in Moscow and St. Petersburg, Russia, and Kyiv, Ukraine.

CRDF
1530 Wilson Blvd., 3rd Floor
Arlington, VA 22209
Tel: (703) 526-9720
Fax: (703) 526-9721
Website: www.crdf.org

HUMAN FRONTIER SCIENCE PROGRAM

(For U.S. and Foreign Scientists)

The **Human Frontier Science Program (HFSP)** is a multinational initiative to support international scientific cooperation in brain research and molecular approaches to biological functions.

The HFSP is funded primarily by Japan, with contributions from other Economic Summit countries and the European Union. In the United States, the program is supported by the NIH and other Federal agencies. Grants are awarded to teams of scientists from different continents (e.g., Asia and North America, North America and Europe, Asia and Europe). Fellowships for fellows from any country are awarded for research in a member country.

Eligibility

- Biomedical scientists from the following countries are eligible to apply: Canada, Japan, Switzerland, U.S., and members of the European Union. Scientists from other countries may participate if associated with scientists from the above member countries.

Award Provisions

- Grants for up to 3 years for basic research carried out jointly by research teams in different countries (young investigators compete for separate awards);
- Long-term fellowships lasting up to 3 years and short-term fellowships lasting up to 3 months, to be undertaken in another participating country; and
- Workshops held in Strasbourg, France bring together international and multidisciplinary groups on topics of high scientific importance.

Application Procedures

Applications must be submitted by September 1. Application materials and further information may be obtained by contacting:

Human Frontier Science Organization
Bureaux Europe
12, Quai Saint-Jean
BP10034
67080 Strasbourg Cedex
France
Telephone: (33) 88-21-51-21
Fax: (33) 88-32-54-47
E-mail: info@hfsp.org
Website: <http://www.hfsp.org>

JAPAN SOCIETY
FOR THE PROMOTION
OF SCIENCE

(For U.S. Scientists)

The *Japan Society for the Promotion of Science (JSPS)* conducts fellowship programs to promote international cooperation and mutual understanding through scientific research. The programs provide opportunities for U.S. scientists to conduct cooperative research with leading research groups in universities and other research institutes in Japan.

Eligibility, Award Provisions, and Application Procedures

Research applications are accepted at FIC, which acts as a nominating authority for the programs. Eligibility requirements, award provisions, and application procedures are different for each JSPS fellowship. Eligibility information and information about award provisions and application procedures are available on the Internet at: <http://www.fic.nih.gov>.

Questions may be addressed to:

Division of International
Training and Research
Fogarty International Center
National Institutes of Health
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-1653
Fax: (301) 402-0779/2056
E-mail: jsp@nih.gov
Website: <http://www.fic.nih.gov>

NIH VISITING PROGRAM

(For Foreign Scientists)

Each year, more than 2,700 scientists from other nations conduct collaborative research at NIH. Candidates are invited to participate by senior NIH scientists, based on the research needs of the host laboratory. There are two categories of **Visiting Program** (VP) participants: visiting fellows, who receive awards for research training, and visiting scientists, who receive appointments to conduct research.

Eligibility

- An appointment or award to the Visiting Program must be requested by a senior scientist in an NIH laboratory.
- Scientists with a doctoral degree or its equivalent in the health sciences and not more than 5 years of relevant postdoctoral experience are eligible for appointments as visiting fellows.
- Scientists with 5 or more years of relevant postdoctoral research experience are eligible for the following types of appointments: Research Fellow (VP), Clinical Fellow (VP), Staff Scientist (VP), Staff Clinician (VP), Investigator (VP) and Senior Investigator (VP).

Award/Appointment Provisions

- Initial visiting fellow awards may be for 1 to 2 years, with the potential for extensions up to 5 years, subject to visa limitations.
- Initial visiting scientist appointments may be for up to 2 years with the potential for extensions up to 5 years, subject to visa limitations.
- Stipends and salary schedules are based on levels of experience.

Application Procedures

Interested candidates should submit a résumé, bibliography, and brief description of research interests to individual senior NIH scientists working in their field of interest. Information about the research being conducted by NIH scientists may be obtained through the NIH CRISP System on the Internet, which can be accessed at: <http://www-commons.cit.nih.gov/crisp> Enter your search terms and under ACTIVITY select "intramural."

Questions may be addressed to:

Office of Education,
Office of Intramural Research
National Institutes of Health
Building 2, Room 2E04
2 Center Drive
Bethesda, MD 20892-0240
Telephone: (301) 496-2427/(800) 445-8283
Fax: (301) 402-2158
E-mail: www.training@nih.gov

GUEST RESEARCHER AND SPECIAL VOLUNTEER PROGRAMS

(For Foreign Scientists)

In addition to participants in the NIH Visiting Program, NIH accepts ***Guest Researchers and Special Volunteers*** who have secured other sources of support for their research assignments at NIH intramural laboratories.

A Guest Researcher carries out independent research using NIH facilities and equipment.

A Special Volunteer works collaboratively and under the direction of an NIH senior scientist.

Application Procedures

Interested candidates should submit a résumé, bibliography, and brief description of research interests to individual NIH senior staff scientists working in their field of interest. Information about the research being conducted by NIH scientists may be obtained through the NIH CRISP System on the Internet, which can be accessed at: <http://www-commons.cit.nih.gov/crisp>. Enter your search terms and under ACTIVITY select "intramural."

Questions may be addressed to:

Office of Education,
Office of Intramural Research
National Institutes of Health
Building 2, Room 2E04
2 Center Drive
Bethesda, MD 20892-0240
Telephone: (301) 496-2427/(800) 445-8283
Fax: (301) 402-2158
E-mail: www.training@nih.gov

NIH RESEARCH GRANT AND CONTRACT AWARDS

Foreign scientists are eligible to apply for NIH grants to pursue research in any area of the biomedical and behavioral sciences within the scope of the NIH mission. For a grant to be awarded to a foreign institution, the principal investigator must demonstrate a special opportunity to further health research through the use of expertise or resources, populations, or environmental conditions not readily available in the United States.

In addition, many U.S.-based research grants include foreign components, which enable U.S. principal investigators to conduct cooperative international studies. Foreign scientists also are eligible to apply for NIH contractual awards in response to solicitations by NIH research institutes and centers, which appear in the NIH Guide for Grants and Contracts. Contracts are tendered in support of specified needs and services identified by the funding institutions.

Application Procedures

Prospective applicants are encouraged to contact relevant scientific staff at the NIH before developing grant proposals. PHS grant applications are available from:

Division of Extramural Outreach
and Information Resources
Office of Extramural Research
National Institutes of Health
Rockledge 2 Building, Suite 6095
6701 Rockledge Dr MSC 7910
Bethesda, MD 20892-7910
Telephone: (301) 435-0714
E-mail: GrantsInfo@nih.gov
Website: [http://grants.nih.gov/
grants/oer.htm](http://grants.nih.gov/grants/oer.htm)

NATIONAL RESEARCH SERVICE AWARD FOR INDIVIDUAL POSTDOCTORAL FELLOWS

The *National Research Service Awards (NRSAs)* offer postdoctoral scientists the opportunity to receive full-time research training in areas of biomedical and behavioral research designated to reflect national need. All NIH Institutes and Centers support this award. Individuals requesting foreign training must justify the particular suitability of the foreign site to the proposed research.

Eligibility

- Ph.D., M.D., D.D.S., D.V.M., or equivalent degree.
- Confirmed arrangement to work with a particular sponsor affiliated with a private or public institution that has the staff and facilities needed for the proposed training.
- Does not support residency training or study leading to a professional degree.

Award Provisions

- Duration varies from 1 to 3 years.
- Up to \$50,000 depending upon the level of training and relevant experience.
- Awardees are subject to the payback provisions of the National Research Service Award.

Application Procedures

Deadlines for receipt of applications are: April 5, August 5, and December 5 of each year.

The program announcement is available at: <http://grants.nih.gov/training/nrsa.htm>

The application form 416-1 is available at: <http://grants.nih.gov/grants/forms.htm>

NATIONAL RESEARCH SERVICE AWARD FOR U.S. SENIOR FELLOWS

The *National Research Service Awards (NRSAs)* provide opportunities for senior level U.S. scientists to undertake fulltime research training in disciplines that reflect national need. Although most awards support training at a U.S. institution, scientists may elect to pursue their fellowship at a foreign institution where specialized opportunities exist. Individuals requesting foreign training must justify the particular suitability of the foreign site. Senior Fellowships are awarded to experienced investigators who desire to make major changes in the direction of their research careers or to broaden their scientific background by acquiring new research capabilities. Normally senior fellowships are associated with faculty sabbaticals.

Eligibility

- At least 7 years of postdoctoral research or professional training.
- An invitation from a sponsor affiliated with a public or private institution with appropriate facilities for the proposed training.

Award Provisions

- 1 to 3 years.
- Stipends for senior fellows are determined individually at the time of award.
- NIH provides up to \$3,000 to sponsoring institutions to help defray such awardee expenses as health insurance, research supplies, equipment, travel to scientific meetings and related items. Funds for tuition and fees may be requested separately.

Application Procedures

Deadlines for receipt of applications are: April 5, August 5, and December 5 of each year.

The program announcement is available at: <http://grants.nih.gov/training/nrsa.htm>

The application form 416-1 is available at: <http://grants.nih.gov/grants/forms.htm>

PAN AMERICAN FELLOWSHIP

(For U.S. and Foreign Scientists)

The *Pan American Fellowship (PAF)* is designed to help train researchers from Latin America and the Caribbean in biomedical and behavioral health sciences research. The ultimate goal of the fellowship is to build research capacity where it is most needed by offering advanced training in priority research areas to help address public-health issues in Latin America and the Caribbean. PAF provides opportunities for researchers to participate in one or two years of research and advanced training in an NIH intramural laboratory.

Eligibility

- A doctoral degree or equivalent professional experience.
- Citizenship or permanent residency in the United States or a participating Latin American or Caribbean country.
- Sponsorship by a qualified science or technology funding agency, university, research institute or other organization in Latin America or the Caribbean and acceptance by the host NIH intramural laboratory or center.

Award Provisions

- Initially 1 year, may be extended to 2 years.
- Stipend of \$25,000 per year, a roundtrip ticket from the country of origin to NIH and back, medical insurance, and registration in courses/seminars in the research area related to the project.

Application Procedures

The participating Latin American or Caribbean institution nominates the PAF fellow and provides necessary documentation to FIC. PAF applicants are encouraged to identify and contact potential NIH host laboratories or offices. Additional information is available on the Internet at: <http://www.fic.nih.gov/regional/americas.html>.

Questions may be addressed to:

Division of International Relations
Fogarty International Center
National Institutes of Health
Building 31, Room B2C11
31 Center DR MSC 2220
Bethesda, MD 20892-2220
Telephone: (301) 496-4784
Fax: (301) 402-3414
Website: <http://www.fic.nih.gov>

THE SUMMER PROGRAM IN JAPAN

(For U.S. Scientists)

FIC and the National Science Foundation jointly sponsor the **Summer Program in Japan**. This program provides opportunities for U.S. graduate students to gain exposure to the Japanese research environment and culture, with the expectation that associations will be established that assist later scientific collaboration.

Eligibility

- Students who are U.S. citizens or permanent residents and are enrolled in a graduate program in the biomedical or behavioral sciences at a U.S. institution (M.S., M.D. or Ph.D.).

Award Provisions

- Internships within a Japanese research laboratory; language training in Japan; and an orientation on U.S.-Japan comparative science policy, Japanese science, culture, history, and political institutions.
- Duration of the internship is 8 weeks during the summer months.
- Stipend of \$2,500 plus travel and living expenses.

Application Procedures

Proposals are accepted once a year, beginning in November, and must be received by the first Monday in December.

Further information and application materials may be obtained by contacting:

Japan Program
Office of International
Science and Engineering
National Science Foundation
4201 Wilson Boulevard, Room 935
Arlington, VA 22230
Telephone: (703) 292-8704
Fax: (703) 292-9175
E-mail: EAPinfo@nsf.gov
Website: <http://www.nsf.gov/home/int>

DISCOVERY TO APPLICATION INTERNATIONAL BIOETHICS HEALTH AND ECONOMIC DEVELOPMENT TRAINING BIODIVERSITY AND DRUG DISCOVERY

**U.S. DEPARTMENT OF HEALTH
AND HUMAN SERVICES**

Public Health Service

National Institutes of Health

Fogarty International Center

31 Center Drive

MSC 2220

Bethesda, Maryland

20892-2220

301-496-2075

www.fic.nih.gov

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