



**JOHN E. FOGARTY
INTERNATIONAL
CENTER**

FOR ADVANCED
STUDY IN THE
HEALTH SCIENCES

NATIONAL INSTITUTES
OF HEALTH

**INTERNATIONAL
OPPORTUNITIES
IN BIOMEDICAL
RESEARCH AND
TRAINING**

U.S. DEPARTMENT OF HEALTH
AND HUMAN SERVICES

Public Health Service

National Institutes of Health

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INTRODUCTION

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.nih.gov/fic>.

INTERNATIONAL TRAINING GRANTS

Actions for Building Capacity (ABC) in Support of the ICIDR Program (For U.S. and Foreign Scientists)

Actions for Building Capacity (ABC) is a research program jointly issued with the National Institute of Allergy and Infectious Disease's International Collaborations in Infectious Disease Research (ICIDR) Program. The ABC Program aims to support current and future collaborative training-related research on infectious diseases that are predominately endemic in or impact upon people living in tropical countries.

Eligibility

- Domestic for-profit and non-profit organizations, public and private institutions, such as universities, colleges, hospitals, and laboratories;
- Applicants for the ABC must be recipients of an ICIDR award.

Award Provisions

Institutional awards for a period of 5 years, including:

- Pre-doctoral training in infectious disease-related and biomedical research disciplines, and data management and analysis in support of that research, which may lead to an M.S. or Ph.D. degree (at a U.S. institution);

- Training in focused research methodologies (in the trainee's home country); and
- Postdoctoral training in laboratory procedures and research techniques (at a U.S. institution).

Applications 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.nih.gov/fic>.

Questions may be addressed to:

Division of International Training
and Research

Fogarty International Center

National Institutes of Health

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Website: <http://www.nih.gov/fic>

AIDS International Training and Research Program (For U.S. and Foreign Scientists)

The FIC AIDS International Training and Research Program enables U.S. universities and other research institutions to provide HIV/AIDS-related research training to scientists and health professionals from developing nations and to forge collaborative ties with research institutions in countries impacted by the AIDS virus. The program focuses on the prevention of HIV transmission. It is designed to increase the proficiency of scientists and health professionals to undertake biomedical and behavioral research related to HIV/AIDS and to develop their skills in the conduct of clinical trials and prevention-related research.

The program is supported in collaboration with the National Institute of Allergy and Infectious Diseases, the National Institute of Child Health and Human Development, 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 Centers for Disease Control and Prevention.

Eligibility

- Principal investigators of an NIH-sponsored AIDS or AIDS-related research project grant; project directors of an NIH center grant, such as Centers for AIDS Research (CFAR), or cooperative agreement that will be active during the grant award period.

Award Provisions

Institutional awards for a period of 5 years, including:

- Training in prevention-related concepts, methods, field studies, and research related to AIDS that may lead to the M.S. or Ph.D. degree for individuals with previous field research experience;
- Training in prevention-related field studies and research related to AIDS that may lead to the M.S. degree for individuals without prior field research experience;
- Postdoctoral research experience for foreign health scientists in the United States and for U.S. health scientists overseas;
- Training in laboratory procedures and research techniques specific to HIV/AIDS prevention research for individuals with the M.S. or Ph.D. degree;
- Advanced research training for current and/or former trainees; and
- Support to enable new and minority U.S. health scientists (including medical students and residents) to gain overseas health research experience.

Application Procedures

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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 Institute of Arthritis and Musculoskeletal and Skin Diseases; the National Center for Complementary and Alternative Medicine; the National Institute of General Medical Sciences; the National Institute of Nursing Research; the National Institute of Dental and Craniofacial Research; and the National Institute of Environmental Health Sciences.

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.

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.nih.gov/fic>.

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International Clinical, Operational, and Health Services Research and Training Award (For U.S. and Foreign Scientists)

In collaboration with the National Institute of Mental Health, the National Institute on Drug Abuse, the National Institute on Aging, the National Center for Complementary and Alternative Medicine and the National Institute of Dental and Craniofacial Research, the FIC International Clinical, Operational and Health services Research and Training Award, supports training to facilitate collaborative, multidisciplinary, international clinical, operational, health services and prevention research between U.S. institutions and those in developing countries, as well as emerging democracies of Eastern Europe, Russia, and the Newly Independent States of the Former Soviet Union.

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 and has a minimum of 15 months remaining at the time of the application deadline.

Award Provisions

- Five-year institutional awards of up to \$250,000 per year to support direct costs; and
- 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.nih.gov/fic>.

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International Malaria Research Training Program (For U.S. and Foreign Scientists)

The FIC International Malaria Research Training Program supports programs at universities to train or expand the capabilities of scientists and health professionals from malaria-endemic developing countries to engage in malaria research. Training in each program may include long-term or short-term malaria-related biomedical, entomological, clinical, epidemiological, or behavioral research. A major barrier to successful malaria research, treatment and control, has been the scarcity of a critical mass of trained scientists and health professionals with malaria expertise in endemic countries. Objectives of the program are to provide research training in malaria pathogenesis, epidemiology, vector biology, immunology and vaccines, anti-malarial drugs, and clinical practice.

This program is in support of the Multilateral Initiative on Malaria (MIM), which was established in January 1997 by malaria experts from sub-Saharan Africa and other regions. An alliance of organizations and scientists involved in malaria research coalesced into the MIM, which is coordinated by a revolving secretariat currently located at FIC. Additional information about the MIM is available on the Internet at MIM@nih.gov.

Eligibility Requirements

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

Award Provisions

- Up to \$150,000 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.nih.gov/fic>.

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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 and the National Center on Minority Health and Health Disparities, FIC funds the International Maternal and Child Health Research and Training Program. This program provides research opportunities for foreign investigators to stimulate high-quality training and build research capacity in support of current and future collaborative research on maternal and child health issues that are predominately endemic in or impact upon people living in developing countries.

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 (at a U.S. institution);
- Postdoctoral research experience, including related clinical training (at a U.S. institution);

- Three to six months training in laboratory procedures and research techniques (at a U.S. institution);
- One-time award for advanced research training upon return to the home country; and
- Research training experience for exceptionally promising pre- and postdoctoral U.S. health science students (including medical students and residents).

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.nih.gov/fic>.

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Building 31, Room B2C32

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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.

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.nih.gov/fic>.

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International Training and Research Program in Emerging Infectious Diseases (For U.S. and Foreign Scientists)

In collaboration with the National Institute of Allergy and Infectious Diseases, FIC funds non-profit public or private institutions to support international training and research programs in emerging and reemerging infectious disease research. The National Institute for Dental and Craniofacial Research also contributes resources to this program. The program aims to increase the capabilities of developing countries to understand, control, and prevent emerging infectious diseases through collaborative research and training efforts with academic institutions in the United States.

Eligibility

- Principal investigators of a U.S.-based NIH-sponsored research project grant related to infectious diseases that will be active for at least 18 months of the proposed grant award period.

Award Provisions

Institutional awards for a period of 5 years, including:

- Predoctoral training in research related to emerging infectious diseases and academic courses that may lead to an academic degree from a U.S. institution;
- Postdoctoral training in laboratory procedures and research projects and techniques related to emerging infectious diseases research at a U.S. institution or in the trainee's home country);

- Participation in advanced research training conducted by U.S. faculty in the trainee's home country and at a U.S. institution; and
- Training of health workers in the diagnosis, patient management, and control and prevention of infectious diseases.

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.nih.gov/fic>.

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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.nih.gov/fic>.

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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.

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.nih.gov/fic>.

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International Training Program in Medical Informatics (For U.S. and Foreign Scientists)

In collaboration with the National Library of Medicine and the National Institute of Allergy and Infectious Diseases, FIC supports the International Training Program in Medical Informatics. The program, which has an initial focus on Sub-Saharan Africa and Latin America, aims to build the capacity of biomedical scientists, clinicians, librarians, and other health professionals in developing countries to access, utilize, and construct computer-based tools such as automated libraries, online communication, databases, and analytical software that may best advance biomedical research and public health in these regions.

Eligibility

- U.S. non-profit private or public institutions;
- Applicants must have a relevant award for biomedical research or training in the country in which the proposed efforts will focus.

Award Provisions

Institutional awards for up to 4 years, including:

- Formal U.S.-based training for foreign scientists in computer-assisted data analysis and management for biomedical research applications that may lead to the M.S. or equivalent degree for individuals with degrees in biomedical or other health-related science;
- Postdoctoral training and research experience in the United States;

- Practical and applied short-term training targeted to specific needs in support of disease control and prevention research for scientists, technicians, librarians and allied health professionals, including training necessary to support development or use of existing local, national, or international medical databases;
- Advanced informatics training for current and/or former trainees, including reentry grants to enable them to develop projects that apply newly acquired skills in association with on-going research or public health efforts;
- Follow-up training in the home country, using distance learning techniques where useful and appropriate; and
- Support to enable U.S. faculty to participate in advanced research training activities conducted in-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.nih.gov/fic>.

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Minority International Research Training Grant (For U.S. Undergraduate and Graduate Students)

In cooperation with the National Center on Minority Health and Health Disparities, FIC funds a Minority International Research Training Program to provide opportunities for international research and training to minorities underrepresented in the scientific professions. Institutional training grants are provided to U.S. colleges and universities to support undergraduate and graduate training at foreign institutions.

Eligibility

- Members of socially or economically disadvantaged groups that are underrepresented in the biomedical research professions. These include, but are not limited to, African Americans, Hispanic Americans, Native Americans, Alaskan Natives, Asian/Pacific Islanders, persons with disabilities, and women.
- Undergraduate students pursuing life science curricula;
- Graduate students pursuing doctoral degrees in the biomedical or behavioral sciences; and
- Medical students committed to a research career.

Award Provisions

Institutional awards for a period of 4 years, including:

- Support for undergraduate, predoctoral, and medical students to undertake research abroad for a minimum of 10 to 12 weeks.

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.nih.gov/fic>.

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Tuberculosis International Training and Research Program

The Tuberculosis International Training Program developed by FIC, the National Institute of Allergy and Infectious Diseases, the Centers for Disease Control and Prevention, and the U.S. Agency for International Development was created to build upon existing HIV/AIDS research as well as emerging and re-emerging infectious diseases research. The goal of these awards is to improve global health research and public health capacity to better respond to TB and MDR TB threats.

Eligibility

- Foreign health professionals (M.D., D.D.S/D.M.D., Ph.D., or equivalent); foreign professionals with a bachelors or masters degree; medical technicians or health care workers; highly qualified current or former AITRP, ITREID, CDC, or IUATLD trainees involved in advanced research training in their home countries; U.S. health science students, medical residents, or postdoctoral researchers (with prior FIC approval).

Award Provisions

- Living allowance compatible with trainee's professional level, not to exceed \$35,000;
- Stipend support for foreign and U.S. postdoctoral researchers compatible with salary, not to exceed \$35,000;
- Round-trip economy class airfare between the United States and home country;

- Travel and per diem for the program director and faculty presenting short-term, in-country courses;
- Tuition not to exceed 20% of total direct costs;
- Allowance of up to \$600 monthly per student to cover health insurance, scientific meetings and incidental research expenses; and
- Up to \$10,000 of research support per trainee to facilitate research in 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.nih.gov/fic>.

Questions may be addressed to:

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INTERNATIONAL RESEARCH GRANTS

Ecology of Infectious Diseases Initiative (For U.S. and Foreign Scientists)

The Ecology of Infectious Diseases Initiative 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, the National Institute of General Medical Sciences, and the U.S. Geological Survey.

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

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Fogarty International Research Collaboration Award (FIRCA) (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; and
- Scientists affiliated with public and private research institutions 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 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);
- 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) 496-1653/1654
Fax: (301) 402-0779/2056
E-mail: firca@nih.gov
Website: <http://www.nih.gov/fic>

HIV/AIDS and Related Illnesses Collaboration Award (AIDS-FIRCA) (For U.S. and Foreign Scientists)

The Fogarty International Research Collaboration Award in HIV/AIDS (AIDS-FIRCA) supports cooperative research between NIH grant recipients and foreign institutions *throughout the world* in all aspects of HIV/AIDS research. The program also supports cooperative studies on new and resurgent infectious diseases related to HIV infection.

Eligibility

- Principal investigators of a U.S.-based NIH-sponsored research project grant that will be active during the proposed grant award period; and
- Scientists affiliated with public and private research institutions in other countries, who serve as co-investigators.

Award Provisions

- Up to \$32,000 per year for up to 3 years to support direct costs;
- Funds for supplies and equipment necessary to support the collaborative studies at the foreign and U.S. sites, 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 a foreign collaborator from a developing country.
- No salaries are offered under these awards. However, a stipend of up to \$5,000 may be allocated for a foreign collaborator *from a developing country*, if justified.

Application Procedures

Deadlines for receipt of applications are January 2, May 1, and September 1 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) 496-1653/1654
Fax: (301) 402-0779/2056
E-mail: firca@nih.gov
Website: <http://www.nih.gov/fic>

International Cooperative Biodiversity Groups (For U.S. and Foreign Scientists)

The International Cooperative Biodiversity Groups (ICBG) program is a unique inter-agency 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 program directors. A listing of grantee institutions and program directors and additional information about this program are available on the Internet at: <http://www.nih.gov/fic>.

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: ditr_fic@nih.gov

Website: <http://www.nih.gov/fic>

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.nih.gov/fic>.

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: ditr_fic.nih.gov

Website: <http://www.nih.gov/fic>

INTERNATIONAL FELLOWSHIPS

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 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.

- Applicant must have a U.S. sponsor/mentor at a research institution with ongoing collaborative research funding in one of the eligible countries listed above.

Award Provisions

- Two years at a developing world center of scientific excellence and 1 year at a U.S. institution;
- Salary and fringe benefits up to \$50,000 for 3 years based on level of experience;
- Allowance up to \$20,000 per year for relevant research materials;
- Administrative supplement up to \$20,000 during the third year of the award for candidates promoted to junior faculty status upon return to the U.S. institution;
- Economy class round-trip airfare and necessary ground transportation for the candidate to the foreign site up to once per year;
- Round-trip economy airfare, supplemental health insurance up to \$50 per month abroad and supplemental living allowance of \$150 per month for each dependent who accompanies awardee abroad for 6 or more months; and
- Language training, if justified.

Application Procedures

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

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: ditr_fic@nih.gov

Website: <http://www.nih.gov/fic>

**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.nih.gov/fic>.

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: ditr_fic@nih.gov

Website: <http://www.nih.gov/fic>

NIH Visiting Program (For Foreign Scientists)

Each year, more than 2,000 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; and
- 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:

Information Office
Fogarty International Center
National Institutes of Health
31 CENTER DR MSC 2220
BETHESDA, MD 20892-2220
Telephone: (301) 496-2075
Fax: (301) 594-1211
E-mail: ficinfo@nih.gov
Website: <http://www.nih.gov/fic>

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:

Information Office
Fogarty International Center
National Institutes of Health
31 CENTER DR MSC 2220
BETHESDA, MD 20892-2220
Telephone: (301) 496-2075
Fax: (301) 594-1211
E-mail: ficinfo@nih.gov
Website: <http://www.nih.gov/fic>

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 laboratory or Center.

Award Provisions

- Initially 1 year, may be extended to 2 years;
- Stipend of \$30,000 per year, a round-trip 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.

Questions may be addressed to:

Division of International Relations
Fogarty International Center
National Institutes of Health
Building 31, Room B2C11
31 CENTER DRIVE MSC2220
BETHESDA, MD 20892-2220
Telephone: (301) 496-4784
Fax: (301) 402-3414
Website: <http://www.nih.gov/fic>

OTHER OPPORTUNITIES

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 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; and
- Long-term fellowships lasting up to 2 years and short-term fellowships lasting up to 3 months, to be undertaken in another participating country.

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
20 place des Halles
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>

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>

National Research Service Award (NRSA) 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 \$42,000 depending upon the level of training and relevant experience; and
- 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. Applicants should request form PHS 416-1 and the NIH NRSA Individual Postdoctoral Fellowship Information Statement 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>

National Research Service Award (NRSA) for U.S. Senior Fellows

The National Research Service Awards (NRSAs) provide opportunities for senior level U.S. scientists to undertake full-time 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.

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; and
- NIH provides up to \$3,000 to sponsoring institutions to help defray such awardee expenses as tuition and fees, health insurance, research supplies, equipment, travel to scientific meetings and related items.

Application Procedures

Deadlines for receipt of applications are: April 5, August 5, and December 5 of each year. Applicants should request form PHS 416-1 and the NIH NRSA Awards for Senior Fellows Information Statement 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>

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. doctoral candidates 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 pursuing a doctoral degree (M.D. or Ph.D.) in the biomedical and behavioral sciences.

Award Provisions

- Internships within a Japanese research laboratory; language training in Japan; and courses 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; and
- Stipend of \$2,500 plus travel and living expenses.

Application Procedures

Proposals are accepted once a year, beginning in November, and must be postmarked by December 1.

Further information and application materials may be obtained by contacting:

Japan Program

Division of International Programs

National Science Foundation

4201 Wilson Boulevard, Room 935

Arlington, VA 22230

Telephone: (703) 292-8704

Fax: (703) 306-0474

E-mail: EAPinfo@nsf.gov

Website: <http://www.nsf.gov/sbe/int>

Discrimination Prohibited: Under provisions of applicable public laws enacted by Congress since 1964, no person in the United States shall, on the grounds of race, color, national origin, handicap, or age, be excluded from participating in, be denied the benefits of, or be subjected to discrimination under any program or activity (or, on the basis of sex, with respect to any education program or activity) or receiving Federal Assistance.

In addition, Executive Order 11141 prohibits discrimination on the basis of age by contractors and subcontractors in the performance of Federal contracts, and Executive Order 11246 states that no federally funded contractor may discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. Therefore, the activities of the National Institutes of Health must be operated in compliance with these laws and Executive orders.

Fogarty International Center
<http://www.nih.gov/fic>

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