

## GRANTS AND CONTRACTS

## ■ TRANSLATION OF COMMON DISEASE GENETICS INTO CLINICAL APPLICATIONS (R21): RFA-DK-08–004

### Components of Participating Organizations

*National Institute of Diabetes and Digestive and Kidney Diseases*

*National Cancer Institute*

*National Eye Institute*

*National Human Genome Research Institute*

*National Heart, Lung, and Blood Institute*

*National Institute on Aging*

*National Institute on Alcohol Abuse and Alcoholism*

*National Institute of Allergy and Infectious Diseases*

*National Institute of Arthritis and Musculoskeletal and Skin Diseases*

*National Institute of Biomedical Imaging and Engineering*

*Eunice Kennedy Shriver National Institute of Child Health and Human Development*

*National Institute on Deafness and Other*

*Communication Disorders*

*National Institute of Dental and Craniofacial Research*

*National Institute of Environmental Health Sciences*

*National Institute of General Medical Sciences*

*National Institute of Mental Health*

*National Institute of Neurological Disorders and Stroke*

*National Institute of Nursing Research*

*National Institute of Standards and Technology*

Application Receipt Date(s): November 25, 2008

Earliest Anticipated Start Date(s): July 1, 2009

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (<http://www2.niddk.nih.gov>) on behalf of the NIH Genes, Environment and Health Initiative, solicits Exploratory/Developmental Clinical Research Grant (R21) applications from institutions/organizations that propose a) clinical studies using information from genome wide association or other genetic studies in common diseases; b) development and assessment of diagnostic, clinical trial, epidemiologic and risk analytic tools for use in clinical research or practice; and c) cost-effectiveness studies of clinical applications of genetic information. Areas of interest include, but are not limited to: development of diagnostic or other risk factor algorithms that incorporate genetic data; pilot interventional studies using findings from genetic studies of common diseases or outcomes related to genetic testing for variants identified in common diseases; pilot research on clinical modification of environmental factors known to interact with specific genes

variants identified in common diseases; and cost effectiveness studies. The proposed research must focus on using findings from genetic studies of common diseases with complex genetic etiology in clinical or public health settings. Through an Exploratory/Developmental Clinical Research (R21) grant, this FOA will support efforts to produce data that may be useful or pivotal in eventually designing large scale clinical trials or studies.

This FOA will utilize the R21 grant mechanism. The NIH has committed \$4.8 million total costs in FY 2009 (\$9.6 million over the total project period of two years) to fund applications in response to this FOA and FOA RFA-DK-08–003. Four to eight awards are anticipated to be funded under this FOA, at up to \$250,000 direct costs per year per award, plus applicable Facilities and Administrative (F&A) costs. Budgets for direct costs of up to \$250,000 per year and a project duration of up to two years may be requested for a maximum of \$500,000 direct costs over a two-year project period. Items 2–5 of the Research Plan component of the R21 application may not exceed 15 pages, including tables, graphs, figures, diagrams, and charts.

Eligible institutions and organizations include public and state controlled institutions of higher education; private institutions of higher education; Hispanic-serving institutions; Historically Black Colleges and Universities; Tribally Controlled Colleges and Universities; Alaska Native- and Native Hawaiian- serving institutions; non-profit organizations with 501(c)(3) IRS status (other than institutions of higher education); nonprofit organizations without 501(c)(3) IRS status (other than institutions of higher education); small businesses; for-profit organizations (other than small businesses); state governments; Indian/Native American tribal governments (federally recognized); Indian/Native American tribally designated organizations; county governments; city or township governments; special district governments; Independent School Districts; public housing authorities/Indian housing authorities; U.S. territories or possessions; Indian/Native American tribal governments (other than federally recognized); regional organizations; non-domestic (non-U.S.) entities (foreign organizations); eligible agencies of the federal government; and faith-based or community-based organizations. Individuals with the skills, knowledge, and resources necessary to carry out the proposed research are invited to work with their institution/organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support. More than one PD/PI (i.e., multiple PDs/PIs) may be designated on the

application. Applicants may submit more than one application, provided each application is scientifically distinct. Resubmission applications are not permitted in response to this FOA. Renewal applications are not permitted in response to this FOA.

Complete details available online at: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-08-004.html>

## ■ SEXUALLY TRANSMITTED INFECTIONS COOPERATIVE RESEARCH CENTERS (U19): RFA-AI-08-004

**Components of Participating Organizations**  
*National Institute of Allergy and Infectious Diseases*

Application Receipt Date: October 30, 2008  
Earliest Anticipated Start Date: July 2009

The purpose of this Funding Opportunity Announcement (FOA) is to stimulate multidisciplinary, collaborative research that is focused on control and prevention of sexually transmitted infections (STIs), associated syndromes and other reproductive tract infections. Research topics include, but are not limited to, basic and translational projects on STI prevention such as vaccines, microbicides and behavioral interventions. The Sexually Transmitted Infections Cooperative Research Centers (STI CRC) will carry out research projects organized around a central theme, foster interaction among established STI investigators, and support the development of investigators new to the field.

This FOA will utilize the NIH multi-project (U19) cooperative agreement grant mechanism. The NIAID intends to commit \$10.2M in total costs in fiscal year 2009 to fund 4–6 new and/or competing renewal grants in response to this FOA. The budget for each STI CRC is expected to range between \$1M and \$2M in direct costs per year. The total project period for an application submitted in response to this FOA may not exceed 5 years.

Eligible institutions and organizations include public and state controlled institutions of higher education; private institutions of higher education; Hispanic-serving institutions; Historically Black Colleges and Universities; Tribally Controlled Colleges and Universities; Alaska Native- and Native Hawaiian- serving institutions; nonprofit organizations with 501(c)(3) IRS status (other than institutions of higher education); nonprofit organizations without 501(c)(3) IRS status (other than institutions of higher education); small businesses; for-profit organizations (other than small businesses); state governments; Indian/Native American tribal govern-

ments (federally recognized); Indian/Native American tribally designated organizations; eligible agencies of the federal government; and faith-based or community-based organizations. Foreign institutions are not eligible to apply as the primary applicant. However, applications may include foreign research components or collaborative sites. Individuals with the skills, knowledge, and resources necessary to carry out the proposed research are invited to work with their institution/organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support. More than one PD/PI (i.e., multiple PDs/PIs), may be designated on the application. Applicants may submit more than one application, provided they are scientifically distinct. Resubmission applications are not permitted in response to this FOA. Renewal applications are permitted in response to this FOA.

Complete details online at: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-08-004.html>

## ■ RESEARCH ON INTERVENTIONS THAT PROMOTE RESEARCH CAREERS (R01): RFA-GM-09-011

**Components of Participating Organizations**  
*National Institute of General Medical Sciences*

Application Receipt Date(s): October 30, 2008  
Earliest Anticipated Start Date(s): July 1, 2009

The purpose of this funding opportunity is to support research that will test explicitly identified assumptions and hypotheses that undergird existing or potential interventions intended to increase interest, motivation and preparedness for careers in biomedical and behavioral research, with a particular interest in those interventions specifically designed to increase the number of students from underrepresented groups entering careers in biomedical and behavioral research. The proposed research need not be restricted to underrepresented minority students. Comparative research that analyzes the experience of all groups in order to place that of underrepresented students in context and to learn whether and how interventions should be tailored to make more underrepresented students successful in biomedical careers may well be particularly illuminating and is, therefore, encouraged.

This FOA will utilize the NIH Research Project Grant (R01) award mechanism. The total amount to be awarded is approximately \$2.4 million (total costs). Approximately 6–8 awards are anticipated. Awards

issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications. The total project period for an application submitted in response to this funding opportunity may not exceed 4 years. Although the size of award will vary with the scope of the research proposed, it is anticipated that the amount of individual awards will range between \$150,000 to \$250,000 (direct costs) per year. The R01 application Research Plan component of the PHS398 (Items 2–5) may not exceed 25 pages, including tables, graphs, figures, diagrams, and charts. [http://grants.nih.gov/grants/funding/funding\\_program.htm](http://grants.nih.gov/grants/funding/funding_program.htm).

Eligible institutions and organizations include public and state controlled institutions of higher education; private institutions of higher education; Hispanic-serving institutions; Historically Black Colleges and Universities; Tribally Controlled Colleges and Universities; Alaska Native- and Native Hawaiian- serving institutions; nonprofit organizations with 501(c)(3) IRS status (other than institutions of higher education); nonprofit organizations without 501(c)(3) IRS status (other than institutions of higher education); small businesses; for-profit organizations (other than small businesses); state governments; Indian/Native American tribal governments (federally recognized); Indian/Native American tribally designated organizations; county governments; city or township governments; special district governments; Independent School Districts; public housing authorities/Indian housing authorities; U.S. territories or possessions; Indian/Native American tribal governments (other than federally recognized); regional organizations; eligible agencies of the federal government; and faith-based or community-based organizations. Foreign institutions are not eligible to apply in response to this FOA. Foreign subcontracts are also not allowed under this FOA. Individuals with the skills, knowledge, and resources necessary to carry out the proposed research are invited to work with their institution/ organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support. More than one PD/PI (i.e., multiple PDs/PIs) may be designated on the application. Applicants may submit more than one application, provided each application is scientifically distinct. Resubmission applications (from *RFA-GM-08-005*) will be accepted; however, such applications must include an Introduction addressing the previous peer review critiques (Summary Statement). Renewal applications will be permitted for this FOA.

Complete details available online at: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-09-011.html>

## ■ EPIGENOMICS OF HUMAN HEALTH AND DISEASE (R01): RFA-RM-08-017

### Components of Participating Organizations

Application Receipt Date(s): October 28, 2009

Earliest Anticipated Start Date(s): July 2009

This FOA is developed as a NIH Common Fund/Roadmap initiative. All NIH Institutes and Centers participate with the NIH Office of the Director in Common Fund/Roadmap initiatives. This FOA will be administered by NIAAA (<http://www.niaaa.nih.gov>) on behalf of the NIH (<http://www.nih.gov>).

The National Institutes of Health invites applications that propose research to transform our understanding of the epigenetic contributions to human disease. Studies will characterize global (epigenome-wide) marks or features, and their possible interactions, in cells and tissues that are representative of various human disease states, conditions, or processes. Rather than solely advancing knowledge, transformation as defined in this FOA, is intended to change our fundamental understanding of human health and disease by creating a new paradigm or by disrupting an existing one. Unbiased epigenome-wide (global) mapping approaches must be used to identify marks in diseased, aged, or environmentally compromised human primary cells or tissues. Mammalian animal models are allowed in rare exceptions where human samples cannot be obtained for a given disease/condition of interest, but strong justification must be provided. Mapping the epigenome of normal cells will only be permitted as a control for mapping the epigenome of diseased or other aberrant cellular states. Studies may also include follow-up epigenetic approaches to reveal function or significance of target genomic regions or loci identified through the initial mapping.

This FOA will utilize the R01 grant mechanism. These R01s may propose a maximum of five years of support. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications. The anticipated number of awards is 12–16. A total of \$8 million in FY 2009 has been committed to support this FOA. The R01 application Research Plan component of the PHS398 may not exceed 12 pages, including tables, graphs, figures, diagrams, and charts. See [http://grants.nih.gov/grants/funding/funding\\_program.htm](http://grants.nih.gov/grants/funding/funding_program.htm).

Eligible institutions and organizations include public and state controlled institutions of higher education; private institutions of higher education; Hispanic-serving institutions; Historically Black Colleges and Universities; Tribally Controlled Colleges and Universities; Alaska Native- and Native Hawaiian- Serving institutions; nonprofit organizations with 501(c)(3) IRS status (other than institutions of higher education); nonprofit

organizations without 501(c)(3) IRS status (other than institutions of higher education); small businesses; for-profit organizations (other than small businesses); Indian/Native American tribal governments (federally recognized); Indian/Native American tribally designated organizations; U.S. territories or possessions; Indian/Native American tribal governments (other than federally recognized); regional organizations; non-domestic (non-U.S.) entities (foreign organizations); eligible agencies of the federal government; and faith-based or community-based organizations. Individuals with the skills, knowledge, and resources necessary to carry out the proposed research are invited to work with their institution/organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support. More than one PD/PI (i.e., multiple PDs/PIs) may be designated on the application. Applicants may submit more than one application, provided each application is scientifically distinct. Resubmission applications are not permitted in response to this FOA. Renewals are not permitted in response to this FOA. This FOA uses non-standard due dates.

Complete details online at: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-08-017.html>

## ■ METHODOLOGY AND MEASUREMENT IN THE BEHAVIORAL AND SOCIAL SCIENCES (R21): PAR-08-213

(Parallel R03 announcement: <http://grants.nih.gov/grants/guide/pa-files/PA-08-214.html>)

*Office of Behavioral and Social Science Research  
National Center for Complementary and Alternative Medicine*

*National Cancer Institute*

*National Heart, Lung, and Blood Institute*

*National Institute on Aging*

*National Institute on Alcohol Abuse and Alcoholism*

*National Institute of Biomedical Imaging  
and Engineering*

*Eunice Kennedy Shriver National Institute of  
Child Health and Human Development*

*National Institute on Drug Abuse*

*National Institute on Deafness and Other  
Communication Disorders*

*National Institute of Dental and Craniofacial Research*

*National Institute of Environmental Health Sciences*

*National Institute of Neurological Disorders  
and Stroke*

*National Institute of Nursing Research*

*Office of Dietary Supplements*

Letters of Intent Receipt Date(s): 30 days prior to standard application due dates

Application Due Date(s): Standard dates apply, please see <http://grants1.nih.gov/grants/funding/submissionschedule.htm>

AIDS Application Due Date(s): Standard dates apply, please see <http://grants1.nih.gov/grants/funding/submissionschedule.htm#AIDS>.

Earliest Anticipated Start Date(s): Standard dates apply, please see <http://grants1.nih.gov/grants/funding/submissionschedule.htm#reviewandaward>

The goal of this Funding Opportunity Announcement (FOA) is to encourage research that will improve the quality and scientific power of data collected in the behavioral and social sciences, relevant to the missions of the participating NIH Institutes and Centers. The participating NIH Institutes and Centers invite qualified researchers to submit research grant applications aimed at improving and developing methodology and measurement in the behavioral and social sciences through innovations in research design, data collection techniques, measurement, and data analysis techniques. Research that addresses methodology and measurement issues in diverse populations, issues in studying sensitive behaviors, issues of ethics in research, issues related to confidential data and the protection of research subjects, and issues in developing interdisciplinary, multimethod, and multilevel approaches to behavioral and social science research is particularly encouraged, as are approaches that integrate behavioral and social science research with biological, physical, or computational science research or engineering.

This FOA will use the NIH Exploratory/Developmental (R21) grant mechanism and runs in parallel with PAR-08-212 and PAR-08-214, which solicit applications under the NIH Research Project Grant (R01) and Small Research Grant (R03) award mechanisms, respectively. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. The total amount awarded and the number of awards will depend upon the mechanism, numbers, quality, duration, and costs of the applications received. The total project period for an application submitted in response to this funding opportunity may not exceed two years. Direct costs are limited to \$275,000 over an R21 two-year period, with no more than \$200,000 in direct costs allowed in any single year. The R21 application Research Plan component of the PHS398 (Items 2-5) may not exceed 15 pages, including tables, graphs, figures, diagrams, and charts. See [http://grants.nih.gov/grants/funding/funding\\_program.htm](http://grants.nih.gov/grants/funding/funding_program.htm)

Eligible institutions and organizations include public and state controlled institutions of higher education;



private institutions of higher education; Hispanic-serving institutions; Historically Black Colleges and Universities; Tribally Controlled Colleges and Universities; Alaska Native- and Native Hawaiian- serving institutions; nonprofit organizations with 501(c)(3) IRS status (other than institutions of higher education); nonprofit organizations without 501(c)(3) IRS status (other than institutions of higher education); small businesses; for-profit organizations (other than small businesses); state governments; Indian/Native American tribal governments (federally recognized); Indian/Native American tribally designated organizations; county governments; city or township governments; special district governments; Independent School Districts; public housing authorities/Indian housing authorities; U.S. territories or possessions; Indian/Native American tribal governments (other than federally recognized); regional organizations; non-domestic (non-U.S.) entities (foreign organizations); eligible agencies of the federal government; and faith-based or community-based organizations. Individuals with the skills, knowledge, and resources necessary to carry out the proposed research are invited to work with their institution/organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support. More than one PD/PI (i.e., multiple PDs/PIs), may be designated on the application. Applicants may submit more than one application, provided that each application is scientifically distinct. Applicants may submit a resubmission application, but such application must include an Introduction addressing the previous peer review critique (Summary Statement). Exploratory/developmental grant support is for new projects only.

Complete details online at: <http://grants.nih.gov/grants/guide/pa-files/PA-08-213.html>

## ■ AIDS INTERNATIONAL TRAINING AND RESEARCH PROGRAM (AITRP) (D43): NOT-TW-08-002

Issued by Fogarty International Center (FIC), (<http://www.fic.nih.gov>)

Release Date: July 31, 2008

Since the publication of the AITRP Program Announcement PAR-07-348, in 2007, the PHS-398 has been revised, updated and issued. In order to assist applicants with the new PHS-398 application process please refer to the following links for instruction guidelines on the FIC AITRP Training Grants Funding Website page ([http://www.fic.nih.gov/programs/training\\_grants/aitrp/index.htm](http://www.fic.nih.gov/programs/training_grants/aitrp/index.htm)):

Application Instructions for AITRP Planning Grants available online at: [http://www.fic.nih.gov/programs/training\\_grants/aitrp/index.htm#applications](http://www.fic.nih.gov/programs/training_grants/aitrp/index.htm#applications)

Application Instructions for AITRP Full Grants available online at: [http://www.fic.nih.gov/programs/training\\_grants/aitrp/index.htm#applications](http://www.fic.nih.gov/programs/training_grants/aitrp/index.htm#applications)

Written and telephone inquiries concerning this Notice should be directed to:

**Jeanne McDermott, C.N.M., M.P.H., Ph.D.**

Program Officer

Division of International Training and Research  
Fogarty International Center, National Institutes of Health

Building 31, Room B2C39, 31 Center Drive,  
MSC 2220

Bethesda, MD 20892-2220

Telephone: 301-496-1492

Fax: 301-402-0779

Notice available online at: <http://grants.nih.gov/grants/guide/notice-files/NOT-TW-08-002.html>