
GRANTS AND CONTRACTS

FRAMEWORK PROGRAMS FOR GLOBAL HEALTH

(R25): RFA-TW-08-001

National Institutes of Health (NIH)

Fogarty International Center (FIC)

National Cancer Institute (NCI)

National Institute of Environmental Health Sciences (NIEHS)

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

Release/posted date: May 3, 2007

Letter of intent receipt date: August 20, 2007

Application submission/receipt date: September 20, 2007

This grant will provide support for the creation of new, multidisciplinary educational programs that will foster global health research and teaching within and between institutions, to be called Framework Programs for Global Health. This funding opportunity announcement (FOA) will use the NIH Research Education (R25) grant mechanism. The FIC and collaborating Institutes (NCI, NIEHS, NINDS, and NIBIB) together intend to commit up to \$1.5 million in FY 2008 to fund up to 11 new Framework awards in response to this FOA. 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 3 years. Direct costs are limited to \$125,000 per year. Eligible institutions or organizations include public or state-controlled institutions of higher education; private institutions of higher education; US territories or possessions; nondomestic (non-US) entities (foreign organizations); Hispanic-serving institutions; historically black colleges and universities; tribally controlled colleges and universities; Alaska native- and native Hawaiian-serving institutions; regional organizations; and public or private research institutions associated with an institution of higher education. Eligible research institutions without an internal educational component must partner with an institution of higher education to meet the full requirements of this program. To be eligible, institutions must have a prerequisite number of qualifying

active NIH or other global health grants, as described herein. All non-US entities applying as an applicant institution must be in a country defined by the World Bank according to gross national income per capita as “low income,” “lower middle income,” or “upper middle income” (see <<http://siteresources.worldbank.org/DATASTATISTICS/Resources/CLASS.XLS>>). However, eligible institutions may bring in partners from eligible or other countries or entities to submit a single integrated application. Previous Framework awardees are not eligible to apply for a renewal. However, resubmissions of previously unsuccessful applications are allowed. Individuals with the skills, knowledge, and resources necessary to carry out the proposed research education program are invited to work with their institution to develop an application for support. Women and individuals from under-represented racial and ethnic groups and individuals with disabilities are always encouraged to apply for NIH support. Principal investigators (PIs) should be associated with one of the qualifying global health grants (e.g., as a listed investigator) or be designated by their institutions to lead a transinstitutional global health program and have demonstrated experience in international training or research programs. Multiple PIs/program directors will be allowed for this FOA under certain circumstances. Only one application may be submitted from a single institution. Research education programs may not be transferred from one institution to another.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-TW-08-001.html>>.

GEORGE M. O'BRIEN KIDNEY RESEARCH CORE CENTERS (P30): RFA-DK-07-002

National Institutes of Health (NIH)

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Letter of intent receipt date: October 24, 2007

Application receipt date: November 15, 2007

The emphases for this program are fourfold: (1) to attract new scientific expertise into the study of the basic mechanisms of kidney diseases and disorders; (2) to encourage multidisciplinary research focused on the causes of these diseases; (3) to explore new basic areas with translational potential; and (4) to generate developmental research/pilot and feasibility studies, which should lead to new and innovative approaches

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to study kidney disease. The NIDDK plans to issue four awards, each at a maximum direct cost of \$750,000 per year for 5 years. This request for applications will use the P30 mechanism. Eligible organizations include domestic for-profit and nonprofit organizations, public or private institutions, units of state government, units of local government, eligible agencies of the federal government, and faith- or community-based organizations. Eligible principal investigators include any individuals with the skills, knowledge, and resources necessary to carry out the proposed research.

Applicant organizations may not submit more than one application.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-07-002.html>>.

COLLABORATIVE STUDIES ON SYSTEMS BIOLOGY OF COMPLEX PHENOTYPES (R01): RFA-GM-08-001

National Institutes of Health (NIH)

National Institute of General Medical Sciences (NIGMS)

National Institute of Environmental Health Sciences (NIEHS)

Application submission/receipt date: October 23, 2007

The NIGMS invites applications for collaborative research projects that use systems biology approaches to investigate the mechanisms that underlie genetic determination of complex phenotypes. These projects will combine computational modeling approaches and experimental validation of predictive models. It is expected that a team of at least two principal investigators (PIs), one with expertise in systems biology and the other with expertise in the genetics of humans or model organisms, will apply for funding under this funding opportunity announcement (FOA). Applications from a single investigator or that propose solely data production and accumulation will be considered nonresponsive and will not be reviewed. This FOA will use the NIH Research Project Grant (R01) award mechanism. The NIGMS intends to award up to \$1.6 million in of FY 2008 to fund three to four new grants in response to this FOA. PIs may request a project period of up to 4 years and a budget of up to \$250,000 in direct costs in each year, plus applicable facilities and administrative costs. Eligible institutions or organizations include public or state-controlled institutions of higher education; private 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; and nondomestic (non-US) entities (foreign organizations). Individuals with the skills, knowledge, and resources necessary to carry out the proposed research are invited to work with their institution or organization to develop an application for support. Individuals from underrepresented racial and ethnic groups and individuals with disabilities are always encouraged to apply for NIH support. Applicants may submit more than one application provided that each application is scientifically distinct. More than one program director (PD)/PI or multiple PDs/PIs may be designated on the application.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-08-001.html>>.

PHARMACOLOGICAL APPROACHES TO COMBATING ANTIMICROBIAL RESISTANCE (R01): RFA-AI-07-025

National Institutes of Health (NIH)

National Institute of Allergy and Infectious Diseases (NIAID)

Application submission/receipt date: October 18, 2007

The NIAID invites Research Project Grant (R01) applications from institutions or organizations that propose to apply pharmacokinetic and pharmacodynamic principles to studies on the prevention of the emergence of antimicrobial drug resistance. This initiative is also intended to stimulate and strengthen collaborations between antimicrobial pharmacologists and infectious disease researchers to provide a synergistic, integrated approach that will form the basis for future clinical management of antimicrobial drug resistance. This funding opportunity announcement (FOA) will use the NIH Research Project Grant (R01) award mechanism. The NIAID anticipates awarding a total of \$3 million in FY 2008 to fund five to eight awards for up to 4 years. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications. Eligible institutions or organizations include public or state-controlled institutions of higher education; private institutions of higher education; 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; US territories or possessions; Indian/Native American tribal governments (federally recognized); Indian/Native American tribal governments (other than federally recognized); Indian/Native American tribally designated organizations; nondomestic (non-US) entities (foreign organi-

zations); Hispanic-serving institutions; historically black colleges and universities; tribally controlled colleges and universities; Alaska native- and native Hawaiian-serving institutions; regional organizations; and other(s): eligible agencies of the federal government and faith- 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 or organization to develop an application for support. Individuals from underrepresented racial and ethnic groups and individuals with disabilities are always encouraged to apply for NIH support. Applicants may submit more than one application provided that each application is scientifically distinct. Competing renewal (formerly "competing continuation") and resubmission applications will not be accepted under this FOA. At this time, it is not known if this FOA will be reissued. More than one PD/PI or multiple PDs/Pis may be designated on the application.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-07-025.html>>.

PROTEIN HOMEOSTASIS IN AGING: REPAIR AND DEGRADATION (R21)

National Institutes of Health (NIH)

National Institute on Aging (NIA)

Letter of intent receipt date: September 18, 2007

Note: On-time submission requires that applications be successfully submitted to Grants.gov no later than 5:00 pm local time (of the applicant institution/organization).

Application submission/receipt date: October 18, 2007

This funding opportunity announcement (FOA) solicits exploratory/developmental (R21) grant applications that propose to develop collaborative research among investigators interested in examining the cross-talk between different components of the protein homeostasis system in aging. Collaborative projects should explore the interactions between protein misfolding, protein degradation, protein repair, and/or ER stress, including the role of chaperones, in the aging process or in the development of age-related pathology and disease. This FOA will use the NIH exploratory/developmental R21 grant mechanism. The NIA intends to commit \$1.5 million dollars in FY 2008 to fund seven to nine applications in response to this FOA. 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 2 years. Direct costs are limited to \$275,000 over an R21 2-year period, with no more than \$200,000 in direct costs allowed in any single year.

Eligible institutions and organizations include public and state-controlled institutions of higher education; private institutions of higher education; 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 business); state governments; US territories or possessions; Indian/Native American tribal governments (federally recognized); Indian/Native American tribal governments (other than federally recognized); Indian/Native American tribally designated organizations; nondomestic (non-US) entities (foreign organizations); Hispanic-serving institutions; historically black colleges and universities; tribally controlled colleges and universities; Alaska native- and native Hawaiian-serving institutions; regional organizations; and eligible agencies of the federal government. Individuals with the skills, knowledge, and resources necessary to carry out the proposed research are invited to work with their institution to develop an application for support. Individuals from underrepresented racial and ethnic groups and individuals with disabilities are always encouraged to apply for NIH support. Applicants may submit more than one application provided that each application is scientifically distinct. The R21 is not renewable. At this time, it is not known if this FOA will be reissued. More than one program director/principal investigator (PD/PI) or multiple PDs/Pis may be designated on the application.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-08-001.html>>.

NIGMS NATIONAL CENTERS FOR SYSTEMS BIOLOGY (P50)

National Institutes of Health (NIH)

National Institute of General Medical Sciences (NIGMS)

Letter of intent receipt date: September 21, 2007

Application receipt date: October 22, 2007

The NIGMS invites applications for National Centers for Systems Biology. The goal of the program is to promote institutional development of pioneering research, training, and outreach programs focused on systems-level analysis of biologic phenomena of biomedical importance within the NIGMS mission. The NIGMS supports fundamental inquiries focused on bioinformatics and computational biology, molecular and cell biology, biophysics, genetics and

developmental biology, biochemistry, pharmacology, anesthesiology, and human physiology in the areas of trauma, burn, inflammation, and multiorgan failure. The NIGMS does not support research focused on diseases or organ systems that are the domain of other Institutes and Centers within the NIH (<<http://www.nih.gov/icd/>>). The amount to be awarded in total costs is up to \$10 million each year. It is anticipated that up to three awards will be made. The mechanism of support will be the P50 Specialized Center grant. Eligible organizations include for-profit or nonprofit organizations, public or private institutions, units of state and local governments, and eligible agencies of the federal government. Only domestic organizations and institutions are eligible to apply. Individuals with the skills, knowledge, and resources necessary to carry out the proposed project are invited to work with their institution to develop an application for support.

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

PROGRAM PROJECTS FOR BASIC RESEARCH ON HUMAN EMBRYONIC STEM CELLS (P01)

National Institutes of Health (NIH)

National Institute of General Medical Sciences (NIGMS)

Letter of intent receipt date: September 23, 2007

Application receipt date: October 23, 2007

The goal of the proposed Program Project (P01) grants is to support research on the basic biology of human embryonic stem cells (hESCs) and to promote the use of hESCs as a model system to address significant questions in the basic biomedical sciences. This is a reannouncement of RFA-GM-07-002. The P01 should include a minimum of three R01-like subprojects to study the unique characteristics of hESCs and/or to use hESCs as a model system to address a basic biologic question. The P01 should

include one or more cores to support and advance hESC research at the grantee institution. Examples of activities that may be included in the core(s) are growth, maintenance, and further characterization of approved hESC lines listed on the NIH Human Embryonic Stem Cell Registry at <<http://stemcells.nih.gov/research/registry/>>; research on improved growth and culture conditions of hESCs; comparisons of the characteristics of hESC lines; development of reagents and tools to enhance the use of hESCs as an experimental model system; pilot projects using hESCs to address a basic biomedical problem; and training of investigators at the grantee institution to work with and use hESCs in pilot experiments. The maximum total amount to be awarded for each application is \$6.1 million, direct costs, for 5 years. It is anticipated that up to three awards will be made. This request for applications uses the P01 Program Project mechanism. Eligible organizations include nonprofit organizations; public or private institutions, such as universities, colleges, hospitals, and laboratories; units of state government; units of local government; eligible agencies of the federal government; and domestic institutions. Previous applicants to RFA-GM-07-002 may submit revised applications. Foreign institutions are ineligible to apply; however, participating collaborators at foreign institutions may be included through subcontracts if their efforts are restricted to the use of hESC lines listed on the NIH Human Embryonic Stem Cell Registry. Eligible principal investigators include any individual with the skills, knowledge, and resources necessary to carry out the proposed research. Individuals from underrepresented racial and ethnic groups and individuals with disabilities are always encouraged to apply for NIH support. Applicants may submit more than one application provided that they are scientifically distinct.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-08-003.html>>.