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## GRANTS AND CONTRACTS

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### **ADVANCED GENOMIC DATA ANALYSIS AND VISUALIZATION METHODS FOR THE CANCER GENOME ATLAS (TCGA) DATA (R21): RFA-CA-08-005**

National Institutes of Health (NIH)

National Cancer Institute (NCI)

Release/posted date: August 28, 2007

Opening date: November 10, 2007 (earliest date an application may be submitted to Grants.gov)

Letter of intent receipt date: November 10, 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: December 10, 2007

This NCI-sponsored funding opportunity announcement (FOA) is a request for grant applications that describe exploratory projects aimed at the development of highly innovative and novel advanced genomic data analysis methods and visualization technologies. This FOA is a component of The Cancer Genome Atlas (TCGA; <<http://cancergenome.nih.gov>>) Pilot Project, which tests the technical feasibility and clinical relevance of conducting a systematic, comprehensive, large-scale analysis of genomic alterations found in human cancers. The purpose of this FOA is to stimulate the development of new and improved computational and statistical tools for integrative analysis of the TCGA data sets covering alterations in the cancer genome, epigenome, and/or transcriptome (eg, somatic mutations, changes in DNA segment copy number, translocations, loss of heterozygosity, epigenomic modifications, and gene expression profiles from multiple platforms) and linked pathologic/clinical information. Of particular interest is the development of tools and methods for analyzing, mining, and visualizing TCGA data to reveal previously unknown associations between genomic alterations, pathways, and cancer. Proposed projects should facilitate extensive evaluation and visualization of molecular changes that occur in human cancer through cross-domain queries to interrogate diverse sets of genomic data as well as clinical, laboratory, and pathology data from patients. All projects must adhere to the cancer Biomedical Informatics Grid (caBIG) standards. This FOA will

use the NIH R21 award mechanism for pilot exploratory research projects. NCI intends to commit approximately \$2,000,000 in FY 2008 to fund 6 to 10 new grants in response to this funding opportunity. The total project period for an application submitted in response to this FOA may not exceed 2 years. Direct costs are limited to \$275,000 during a 2-year funding period, with no more than \$200,000 in direct costs allowed in any single year. Eligible institutions/organizations include public/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; nondomestic (non-US) entities (foreign 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 as well as 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.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-08-005.html>>.

### **EXPLORATORY INVESTIGATIONS IN FOOD ALLERGY (R21): RFA-AI-07-032**

National Institutes of Health (NIH)

Environmental Protection Agency (EPA)

Food Allergy Project (FAP)

Food Allergy and Anaphylaxis Network (FAAN)

National Institute of Allergy and Infectious Diseases (NIAID)

National Center for Environmental Research (NCER)

Release/posted date: August 23, 2007

Opening date: November 9, 2007 (earliest date an application may be submitted to Grants.gov)

Letter of intent receipt date: November 9, 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).

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DOI 10.2310/6650.2007.X0043

Application submission/receipt date: December 10, 2007

The goal of this funding opportunity announcement (FOA) is to support high-impact, innovative exploratory/developmental investigations to determine the mechanisms of and risk factors associated with IgE-mediated food allergy and related comorbid conditions, focusing on *ex vivo* studies with human specimens and on studies with current or new animal models of food allergy. Investigators who have no prior history of receiving independent NIH funding in food allergy research or have no history of receiving such funding after January 2003 are encouraged to apply to this FOA. This initiative is supported by the cosponsoring US federal agencies, NIH and EPA, as well as by the Food Allergy Project and the Food Allergy and Anaphylaxis Network. Application and submission requirements and peer review processes will follow NIH guidelines. Assignment to NIH or EPA will be determined postreview by NIAID and EPA program officials. This FOA will use the exploratory/developmental (R21) grant mechanism. It is anticipated that \$2.5 million per year will be available for this FOA from NIAID, the Food Allergy Project, and the Food Allergy and Anaphylaxis Network and that NIH will make 8 to 10 new awards. It is anticipated that \$1 million per year will be available from the EPA Science to Achieve Results (STAR) program and that an additional four new awards will be made by EPA. Awards issued under this FOA are contingent on 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. The R21 is not renewable. Eligible organizations include public/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 organizations); Hispanic-serving institutions; historically black colleges and universities; tribally controlled colleges and universi-

ties; Alaska native— and native Hawaiian—serving institutions; and regional organizations. Public nonprofit institutions/organizations (including public institutions of higher education and hospitals) and private nonprofit institutions/organizations (including private institutions of higher education and hospitals) located in the United States, state and local governments, federally recognized Indian tribal governments, and US territories or possessions are eligible applicants for EPA awards. 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 as well as individuals with disabilities are always encouraged to apply for NIH support. An applicant may serve as a program director/principal investigator (PD/PI) on only one application submitted in response to this FOA. An institution may submit more than one application as the applicant institution. More than one PD/PI, or multiple PDs/Pis, may be designated on the application. The R21 is not renewable, and competing renewal (formerly “competing continuation”) and resubmission applications will not be accepted.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-07-032.html>>.

#### **ANCILLARY STUDIES IN CLINICAL TRIALS (R01): RFA-HL-08-001**

National Institutes of Health (NIH)

National Heart, Lung, and Blood Institute (NHLBI)

Release/posted date: August 13, 2007

Opening date: December 14, 2007 (earliest date an application may be submitted to Grants.gov)

Letter of intent receipt dates: December 14, 2007; April 11, 2008; and August 15, 2008

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 dates: January 14, 2008; May 12, 2008; and September 15, 2008

The overall goal of this initiative is to solicit research grant applications to conduct time-sensitive ancillary studies in conjunction with ongoing clinical trials (NIH or non-NIH supported) related to heart, lung, and blood diseases and sleep disorders. This funding opportunity announcement (FOA) will use the NIH research project grant (R01) award mechanism. NHLBI intends to commit approximately \$4.2 million in FY 2008 to fund 11 to 12 new grants and \$1.4 million in FY 2009 to fund 3 to 4 new grants

under this FOA. Awards issued under this FOA are contingent on the availability of funds and the submission of a sufficient number of meritorious applications. Eligible institutions/organizations include public/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 organizations); Hispanic-serving institutions; historically black colleges and universities; tribally controlled colleges and universities; Alaska native- and native Hawaiian-serving institutions; and regional 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. Applicants may submit more than one application provided that each application is scientifically distinct. Only one resubmission application will be accepted in response to this FOA. Amended applications should include a two-page introduction. See <<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-03-019.html>>. 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-HL-08-001.html>>.

### **BASIC AND TRANSLATIONAL RESEARCH OPPORTUNITIES IN THE SOCIAL NEUROSCIENCE OF MENTAL HEALTH (R01): RFA-MH-08-070**

National Institutes of Health (NIH)

National Institute of Mental Health (NIMH)

National Institute on Aging (NIA)

Release/posted date: August 8, 2007

Opening date: August 27, 2007 (earliest date an application may be submitted to Grants.gov)

Letter of intent receipt dates: September 18, 2007, and September 19, 2008

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 receipt dates: October 18, 2007, and October 20, 2008

This funding opportunity announcement (FOA), issued by the National Institute of Mental Health (NIMH), solicits research grant applications that stimulate basic and translational research into the neurobiologic substrates of social behavior with the ultimate goal that findings derived from such investigations will provide greater insight into mechanisms of psychiatric disorders with known deficits in social behavior. This FOA succeeds and replaces PAR-06-389 on the same topic area. This FOA will use the NIH Research Project Grant (R01) award mechanism. NIMH intends to commit \$2 million in FY 2008 to fund four to six new grants in response to this FOA. With a successful FY 2008 competition and availability of sufficient funds, NIMH anticipates committing a similar amount in FY 2009. NIA intends to commit \$350,000 in FY 2008 to fund one to two new grants in response to this FOA. 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 on the mechanism numbers, quality, duration, and costs of the applications received. Eligible institutions/organizations include public/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); 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 organizations); Hispanic-serving institutions; historically black colleges and universities; tribally controlled colleges and universities; Alaska native- and native Hawaiian-serving institutions; and regional 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. Applicants may submit more than one application provided that each application is scientifically distinct.

Successful applicants to this initiative may submit competing renewal (formerly “competing continuation”) applications in the future, if not under a reissue of this FOA, under the Parent R01 announcement. Applicants may submit “resubmission” (formerly “amended”) applications, but such applications must include an “Introduction” addressing the previous peer review critique (summary statement). More than one project director/principal investigator (PD/P)I, or multiple PDs/PIs, may be designated on the application.

Complete details are available at <<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-08-070.html>>.

**COLLABORATIVE RESEARCH TO EXPLORE NEW USES FOR EXISTING RADIOLIGANDS (R21/R33): RFA-DA-08-001**

National Institutes of Health (NIH)

National Institute on Drug Abuse (NIDA)

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute on Aging (NIA)

National Institute of Mental Health (NIMH)

Release/posted date: August 8, 2007

Opening date: December 28, 2007 (earliest date an application may be submitted to Grants.gov)

Letter of intent receipt date: December 28, 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: January 28, 2008

NIDA, NIA, NINDS, and NIMH, through the issuance of this request for applications (RFA), seek to encourage broader uses of established positron emission tomography/single-photon emission computed tomography radioligands by reducing barriers to their wider distribution and expanding their utility to the study of diseases or organs for which the radioligand has not previously been studied. Applications for this RFA should demonstrate a high degree of innovation and novelty with regard to the new uses for existing radioligands. Although there is no requirement for preliminary data, a clear scientific rationale is essential. Applications for this RFA are expected to propose multi-institutional collaborations between investigators who have the capacity for routine production of a given radioligand for human use and investigators who lack access to the radioligand but wish to demonstrate the feasibility of an innovative use for the radioligand in a novel patient population. The primary focus of the proposal must be on human studies; animal studies are

allowable only if required to obtain regulatory approval for the ligands. This funding opportunity announcement (FOA) will use the NIH phased innovation award (R21/R33) grant mechanism. This RFA has approximately \$2.5 million set aside to fund meritorious applications that address the goals of this solicitation. Awards issued under this FOA are contingent on the availability of funds and the submission of a sufficient number of meritorious applications. It is anticipated that between 8 and 10 proposals might be funded under this solicitation. Direct costs for these phased innovation awards are limited to \$150,000 per year for the R21 phase and \$250,000 per year for the R33 phase. These budget limits represent the aggregated direct costs summed across all of the linked applications from the institutions participating in a given collaboration. The R21 phase may not exceed 2 years, and the R33 phase may not exceed 3 years. Transition from the R21 to the R33 phase will be contingent on demonstrated achievement of specific milestones detailed in the application. Competing renewal (“competing continuation”) applications will not be accepted. Eligible institutions/organizations include public/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 organizations); Hispanic-serving institutions; historically black colleges and universities; tribally controlled colleges and universities; Alaska native- and native Hawaiian-serving institutions; regional 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 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. Applicants may submit more than one application provided that each application is scientifically distinct. Neither renewal nor resubmission applications are allowed for this FOA.

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

**NINR NURSING SCIENCE RESEARCH ON INTERVENTIONS IN CHRONIC ILLNESS (P01): RFA-NR-08-001**

National Institutes of Health (NIH)

National Institute of Nursing Research (NINR)

National Cancer Institute (NCI)

Application receipt date: November 26, 2007

The NINR and the NCI invite applications to establish Program Projects for Nursing Science Research on Interventions in Chronic Illness (P01). The program project grant mechanism is designed to support research in which the funding of several interdependent projects as a group offers significant scientific advantages over support of these same projects as individual regular research grants. Depending on the availability of funds, support for this P01 FOA is anticipated to be approximately \$2.1 million. Depending on the number of meritorious applications, support is anticipated for up to two to three program projects (P01s). Support may be requested for up to 5 years, not to exceed \$700,000/year, total (direct plus facilities and administrative) cost. Awards made under this funding opportunity announcement (FOA) will be nonrenewable. Owing to the fact that 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 on the quality, costs of the applications received, and availability of funds. This funding opportunity uses the P01 mechanism. This FOA supports applications to advance interdisciplinary biobehavioral nursing research on interventions in chronic illness.

Eligible organizations include for-profit organizations; 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; domestic institutions; and faith- or community-based organizations. Eligible principal investigators include any individual who currently has NIH funding at the R01 or Center (P20/P30/P50/P60) mechanism level and 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. Only one application per applicant organization in response to this FOA will be accepted for consideration.

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