

■ **DEEP SEQUENCING AND ANALYSIS OF PHARMACOGENOMIC REGIONS: DISCOVERY AND ANALYSIS OF GENETIC VARIANTS CONTRIBUTING TO DRUG ABUSE AND ADDICTION (R01): RFA-DA-10-019**

Components of Participating Organizations
National Institute on Drug Abuse

Application Due Date: April 29, 2010

Genome-wide association studies (GWAS) have been critical for identifying genomic regions associated with addiction phenotypes, and have highlighted several areas that require further refinement using deep sequencing approaches. The goal of this FOA is to support studies proposing to use next-generation sequencing technologies to identify the structural variants and SNP variants with rare to moderate frequencies that affect addiction risk in well-characterized samples with drug abuse phenotypes. Applications may propose strategies for deep sequencing based on family based designs; deep sequencing of regions identified by GWAS to be associated with addiction risk; sequencing candidate genes in individuals with extreme phenotypes; or other analytic approaches that capitalize on the genetic architecture. Applicants must use existing DNA samples with appropriately obtained consents for broad data sharing.

This FOA will utilize the R01 award mechanism. The total amount to be awarded for this FOA will be up to \$10M in total costs per year, with the anticipated number of awards ranging from 1-4. Budgets for direct costs of up to \$2.5M per year and a project duration of up to five years may be requested.

Eligible institutions and organizations include: public or 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 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. This FOA uses non-standard due dates.

Complete details available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-019.html>.

■ **NUTRITION OBESITY RESEARCH CENTERS (P30): RFA-DK-10-003**

Components of Participating Organizations

National Institute of Diabetes and Digestive and Kidney Diseases

Letters of Intent Receipt Date: May 25, 2010

Application Receipt Date: June 22, 2010

This FOA issued by the National Institutes of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, solicits grant applications from institutions/organizations that propose to establish core centers that are part of an integrated program of nutrition and/or obesity-research. The purpose of this Centers program is to bring together, on a cooperative basis, basic science and clinical investigators to enhance the effectiveness of their research related to nutrition and/or obesity.

This FOA will utilize the P30 award mechanism. The total amount of funding that the NIDDK expects to award through this announcement is \$5,000,000 to fund a total of five new and/or renewal grants. Five existing P30 Centers are expected to submit renewal applications. The total project period for an application submitted in response to this funding opportunity may not exceed five years. Direct costs are limited to \$750,000 per year for the five-year period.

Eligible institutions and organizations include: public or 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); for-profit organizations (other than small businesses), 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/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 only one application. Applicants may submit a resubmission application, but such application must include an Introduction addressing the previous peer review critique (Summary Statement). See new NIH policy on resubmission (amended) applications (NOT-OD-09-003, NOT-OD-09-016). Renewal applications are permitted in response to this FOA. This FOA uses non-standard due dates.

Complete details available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-003.html>.

■ **INSTITUTIONAL CLINICAL AND TRANSLATIONAL SCIENCE AWARD (U54): RFA-RM-10-001**

Components of Participating Organizations

NIH Roadmap Initiatives

Letters of Intent Receipt Date: September 14, 2010

Application Receipt Date: October 14, 2010

The Clinical and Translational Science Award (CTSA) initiative assists institutions to create an integrated academic home for Clinical and Translational Science that has the resources to train and advance multi- and inter-disciplinary investigators and research teams with access to innovative research tools and

information technologies that apply new knowledge and techniques to patient care. Clinical and Translational Science Awards (CTSAs) attract basic, translational, and clinical investigators, community clinicians, clinical practices, networks, professional societies, and industry to develop new professional interactions, programs, and research projects. Through innovative advanced degree programs, CTSAs foster the discipline of Clinical and Translational Science that is broader and deeper than their separate components.

This FOA will utilize the National Institutes of Health (NIH) cooperative agreement specialized center (U54) award mechanism. The total funds available for the new awards are approximately \$80 million. Up to 10 awards are anticipated from this solicitation. The NIH intends to issue solicitations for additional CTSAs in future years. Awards will vary in size due to the consolidation of multiple programs at the applicant institution(s) into the CTSA program proposal. Applicants may request support for up to five years. The annual total costs that may be requested will be limited in proportion to the combined current total costs of certain NIH awards (NCRR M01, NCRR-managed trans-NIH K30 and Roadmap T32 and K12) held by the applicant institution and its affiliates.

Eligible institutions and 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); for-profit organizations (other than small businesses); state governments; U.S. 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; Hispanic-serving institutions; Historically Black Colleges and Universities; Tribally Controlled Colleges and Universities; Alaska native- and native Hawaiian- serving institutions, and regional organizations. Because the Institutional CTSA program is focused on the development of a rigorous and robust academic discipline of clinical and translational science, the applicant institution(s) must include a graduate school accredited to award higher degrees in clinical research. Examples of acceptable higher degrees include MS and PhD in topics such as Clinical Research, Public Health, Pharmacology, Nursing and Epidemiology. Partnerships among schools of medicine, dentistry, nursing, pharmacy, osteopathy, public health, engineering and other clinically-related institutions are strongly encouraged, as is the inclusion of other relevant clinical research entities and organizations. The CTSA is expected to form an integrated institutional home that includes faculty committed to developing the discipline of clinical and translational science and will transcend multiple departments, schools, clinical and research institutes and hospitals. Therefore, an institution may submit, or be part of, only a single application in response to this FOA. Multiple applications from different divisions, faculties, centers, schools, etc. of the same university or medical school will be returned without further consideration by the NIH. Potential applicants whose existing affiliations will be disrupted by this rule must contact NIH Program Staff to determine whether they may be eligible for a waiver of the restriction on grounds such as the affiliation is supported through active NIH Roadmap Training (T32), Career Development (K12) awards, or long-term affiliations. Foreign institutions are not allowed to apply for this program. Domestic institutions may use CTSA resources to support the foreign activities of projects that receive primary funding from DHHS. These activities are permitted under the U54 and K12 components of the CTSA only and

may not include the predoctoral T32 component. Appropriate clearances, a mentoring plan for any foreign training and approval by NIH Program Staff are required before the use of CTSA resources begins. Applications from ineligible institutions will not be reviewed. Applicants are encouraged to include clear detailed evidence of significant institutional commitment.

In forming an integrated institutional home for clinical research and training, applicants may choose to negotiate partnership(s) with existing CTSA(s) for the provision of selected key functions, components or training programs. Budgetary and administrative arrangements are to be negotiated between the partnering institutions and clearly laid out in the relevant parts of the application.

An organization is eligible to hold a CTSA or an M01 award, but not both. At the time of the CTSA award, current NCRR K12 and M01 awards, NCRR-managed trans-NIH K30 and NIH Clinical Roadmap K12 and T32 (Predoctoral and Postdoctoral Clinical Research Training Program) awards to the institution(s) or affiliated institutions will be relinquished and any remaining funds, including unobligated balances, will be transferred into the new CTSA activity. The remaining funds will be restricted and unavailable for use without prior approval of NCRR Program Staff.

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. Eligible PD/PIs are expected to have the authority to direct the proposed institutional home for clinical and translational science. It is expected the PD/PI would be an established clinician scientist who reports directly to an official with broad trans-institutional authority. Pediatric PIs appointed under a single Clinical and Translational Science Award may have direct authority over a separate budget and infrastructure for pediatric clinical research. More than one PD/PI (i.e., multiple PDs/Pis) may be designated on the application. In response to this FOA, an institution can only submit, or be part of, a single application that should include detailed evidence of significant institutional commitment. Applicants may submit resubmission applications, but any such application must include an Introduction addressing the previous peer review critique (Summary Statement). See new NIH policy on resubmission (amended) applications (NOT-OD-09-003, NOT-OD-09-016). Renewal applications are permitted in response to this FOA. This FOA uses non-standard due dates.

Complete details available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-001.html>.

■ CENTERS OF RESEARCH TRANSLATION (P50): RFA-AR-11-002

Components of Participating Organizations

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Letters of Intent Receipt Dates: May 10, 2010; May 10, 2011
Application Receipt Dates: June 10, 2010; June 10, 2011

This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), invites applications for Centers of Research Translation (CORT) (P50). It is expected that a CORT will have a disease-targeted translational theme with individual projects providing synergy for the theme, directed at elucidating the relevance of basic research to human disease in an area within the NIAMS mission. Two major features of the CORT program

include: 1) the overarching aim of disease-specific research translation, and 2) the inclusion of resources and an administrative structure to facilitate research translation.

This FOA will utilize the P50 grant mechanism. The NIAMS expects to commit \$6 million in total costs to award up to four new and renewal CORTs in fiscal year 2011, and an additional \$6 million in total costs to award up to four additional new and renewal CORTs in fiscal year 2012, pending the number and quality of applications and availability of funds. Direct costs of up to \$1,000,000 per year may be requested for a CORT for a project period of up to five years.

Eligible institutions and organizations include:

Public or 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. 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. Applicants may submit a resubmission application, but such application must include an Introduction addressing the previous peer review critique (Summary Statement). See new NIH policy on resubmission (amended) applications (NOT-OD-09-003, NOT-OD-09-016). Renewal applications are permitted in response to this FOA. This FOA uses non-standard due dates.

Complete details available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-11-002.html>

■ SCIENTIFIC MEETINGS FOR CREATING INTERDISCIPLINARY RESEARCH TEAMS (R13): PA-10-106

Components of Participating Organizations

Eunice Kennedy Shriver National Institute of Child Health and Human Development National Cancer Institute National Institute on Aging

National Institute on Drug Abuse

Office of Behavioral and Social Science Research

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

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

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

This FOA encourages Research Conference Grant (R13) applications from institutions and organizations that propose to develop interdisciplinary research teams. Teams must include investigators from the social and/or behavioral sciences, and may include the life and/or physical sciences. The goal is to broaden the scope of investigation into scientific problems, yield fresh and possibly unexpected insights, and increase the sophistication of theoretical, methodological, and analytical approaches by integrating the analytical strengths of two or more disparate scientific disciplines while addressing gaps in terminology, approach, and methodology. This program will allow investigators from multiple disciplines to hold meetings in order to provide the foundation for developing interdisciplinary research projects.

This FOA will utilize the R13 grant mechanism. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications. 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. Although the financial plans of the IC(s) provide support for this program, awards pursuant to this funding opportunity are contingent upon the availability of funds. The appropriate NIH Conference Grant Contact should be consulted for guidance regarding any IC-specific budget and project duration requirements.

Eligible institutions and organizations include: public or 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. Include 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). See new NIH policy on resubmission (amended) applications (NOT-OD-09-003, NOT-OD-09-016). Renewal applications will not be accepted.

Complete details available at <http://grants.nih.gov/grants/guide/pa-files/PA-10-106.html>.