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NOAA-NMFS-HCPO-2014-2003849
FY2014 Community-based Marine Debris Removal
Department of Commerce

Closing Date for Applications: Nov 1, 2013

Estimated Total Program Funding: \$2,000,000

Award Ceiling: \$250,000

Award Floor: \$15,000

Eligible Applicants: For profit organizations other than small businesses
Private institutions of higher education
Public and State controlled institutions of higher education
City or township governments
Small businesses
Native American tribal governments (Federally recognized)
State governments
Nonprofits having a 501(c)(3) status with the IRS, other than
institutions of higher education
County governments

Description: A principal objective of the NOAA Marine Debris Program is to provide federal financial and technical assistance to grass-roots, community-based activities that improve living marine resource habitats through the removal of marine debris and promote stewardship and a conservation ethic for NOAA trust resources. NOAA trust resources include living marine resources and their habitats, including commercial and recreational fishery resources (marine fish and shellfish); coastal habitats; diadromous fish species; endangered and threatened marine species; marine mammals and marine turtles; marshes, mangroves, seagrass beds, coral reefs, other coastal habitats; areas identified by NOAA Fisheries as essential fish habitat (EFH); and areas within EFH identified as Habitat Areas of Particular Concern (HAPC). NOAA trust resources can also include marine habitats and resources associated with National Marine Sanctuaries, National Estuarine Research Reserves, and areas under state coastal management programs, including Areas of Concern within the Great Lakes. The program aims to foster collaboration among diverse entities and groups (e.g., public and nonprofit organizations, citizen and watershed groups, anglers, boaters, industry, corporations and businesses, youth conservation corps, students, landowners, academics, and local, state, and federal government agencies) in order to cooperatively implement

safe, impactful, and cost-effective marine debris removal projects. In order to track project success, funded projects will need to be able to report the total amount of debris removed (metric tons), total area or extent cleaned or restored (acres and/or miles), types of debris encountered, and volunteer hours involved.

Link to Additional Information:

<http://www.grants.gov/applicants/download-application-package.html?oppId=183653>

NOAA-NOS-IOOS-2014-2003854
FY2014 Marine Sensor and Other Advanced Observing Technologies Transition Project
Department of Commerce

Closing Date for Applications: Feb 21, 2014 Letters of Intent are due on 11/01/2013 Full Proposals are due on 2/21/2014

Award Ceiling: \$1,000,000

Award Floor: \$250,000

Eligibility: Eligible funding applicants for this competition are institutions of higher education, non-profit and for-profit organizations, and State, local and tribal governments. Federal agencies or institutions and foreign governments may not be the primary recipient of awards under this announcement, but they are encouraged to partner with applicants when appropriate. If requesting funds under this award, Federal partners must identify the relevant statutory authorities that will allow for the receipt of funds. Because of the nature of this competition, the Economy Act (31 U.S.C. 1535) is not an appropriate authority.

Description: The U.S. Integrated Ocean Observing System (IOOS®) is a national and regional partnership working to provide observations, data and new tools and forecasts to improve safety, enhance the economy, and protect our environment. To deliver these tools and forecasts, more ocean, coastal and Great Lakes observations are needed. To increase observational capabilities we need smart investments in innovative marine sensors and other advanced observing technologies that will improve our ability to monitor these waters with greater efficiency. The NOAA Ocean Acidification Program (OAP), in close partnership with U.S. IOOS, oversees and coordinates ocean acidification monitoring which contributes to the conservation of marine ecosystems. The U.S. IOOS Program and the NOAA Ocean Acidification Program (Programs) are seeking to jointly fund projects, subject to the availability of funds, which advance new or existing marine sensors and other observing technologies that address long standing and emerging coastal observing challenges. The projects will be focused on those sensors and other observing technologies for which there are demonstrated operational end-users who commit to integrated, long term use of those technologies and open data sharing. Funding will be targeted to marine sensors and other observing technologies that are beyond their research phase, with specific emphasis on transition and life cycle costs, including data management, overall operations, and maintenance expenses. The Programs are seeking Letters of

Intent (LOIs) from prospective investigators relating how their project ideas align with either of two topic areas: 1) a very broad topic of marine sensor transitions, and 2) a narrower topic of ocean acidification observing technologies to better serve the ocean observing needs for impacted or potentially vulnerable industries or stakeholders (e.g., fisheries, coral reef conservation, state agencies, others). Applicants are invited to submit LOIs for either of these topic areas, which are described in detail below. Applicants should ensure that the topic area to which they apply is clearly identified and that all required information is presented such that merit reviewers can best evaluate the proposal. In FY 2014, it is estimated that up to \$8 million will be available from the U.S. IOOS Program along with up to \$1 million from the NOAA Ocean Acidification Program. Multiple awards are anticipated, subject to availability of funds, in amounts ranging from approximately \$250,000 to \$1 million per year for up to three years, with some exceptions for highly ranked proposals, subject to the availability of funds. Investigators are highly encouraged to visit the U.S. IOOS and NOAA Ocean Acidification Program websites for more information about the Programs: www.ioos.noaa.gov and oceanacidification.noaa.gov.

Link to Additional Information: <http://www.grants.gov/applicants/download-application-package.html?oppId=183450>

BAA-AFOSR-2013-0006

K-12 Aerospace-Based Science, Technology, Engineering and Mathematics (STEM) Mobile Teaching Vehicle

Air Force Office of Scientific Research — Department of Defense

Closing Date for Applications: Sep 30, 2013

Estimated Total Program Funding: \$200,000

Award Ceiling: \$200,000

Award Floor: \$200,000

Eligibility: Awards will only be made to educational and non-profit institutions in the US.

Description: AFOSR invites the submission of proposals for a K-12 Aerospace Based Science, Technology, Engineering, and Mathematics (STEM) Mobile Teaching Vehicle. AFOSR intends to award a 1-year effort of approximately \$200,000 to an educational institution or non-profit organization that best demonstrates the capacity to develop a mobile STEM discovery center designed to increase students' interest and learning in science, technology, engineering, and mathematics through hands-on activities. This is a Broad Agency Announcement. No formal Request for Proposals (RFP) or other solicitation regarding this announcement will be made. Proposers are highly encouraged to confer with the designated points of contact as soon as possible. Their contact information can be found at the end of this section. Proposals will be reviewed on merit, with an eye toward expanding the approach to educating K-12 students on the rewarding benefits of STEM both in and outside the classroom.

Link to Additional Information: [AFOSR website](#)

PA-AFOSR-2013-0001

THE DEPARTMENT OF DEFENSE (DoD) FISCAL YEAR 2014 DEFENSE UNIVERSITY
RESEARCH INSTRUMENTATION PROGRAM (DURIP) -For Army Submission
Dept of the Army -- Materiel Command — Department of Defense

Closing Date for Applications: Oct 21, 2013

Award Ceiling: \$1,500,000

Award Floor: \$50,000

Eligible Applicants: Private institutions of higher education
Public and State controlled institutions of higher education

Description: The Department of Defense (DoD) announces the Fiscal Year 2014 Defense University Research Instrumentation Program (DURIP), a part of the University Research Initiative (URI). DURIP is designed to improve the capabilities of U.S. institutions of higher education (hereafter referred to as “universities”) to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment. ARMY SUBMISSION

Link to Additional Information: [DURIP PROGRAM ANNOUNCEMENT-ARMY](#)

W81XWH-13-BCRP-BREAKTHROUGH2
DoD Breast Cancer Breakthrough Award
Dept. of the Army -- USAMRAA — Department of Defense

Closing Date for Applications: Jan 15, 2014

Estimated Total Program Funding: \$13,100,000

Eligible Applicants: Unrestricted

Agency Name: Dept. of the Army -- USAMRAA

Description: The intent of the BCRP Breakthrough Award is to support promising research that has the potential to lead to or make breakthroughs in breast cancer. The critical components of this award mechanism are: Impact: Research supported by the Breakthrough Award will have the potential for a major impact and accelerate progress toward ending breast cancer. The impact may be near-term or long-term, but must be significant and move beyond an incremental advancement. Applications must articulate the pathway to making an impact for breast cancer patients, even if clinical impact is not an immediate outcome. Research Scope: Research proposed under this award mechanism may be at different stages of idea and research development. Two different funding levels, based on the scope of the research, are available for this solicitation of the Breakthrough Award. It is the responsibility of the Principal Investigator (PI) to select the funding level that is most appropriate for the research proposed. The following are general descriptions, although not all-inclusive, of the scope of research projects that would be appropriate to propose under each funding level:& #61623; Funding Level 1: Innovative, high-risk/high-reward research that is in the earliest stages of idea development. Research with potential to yield new avenues of investigation. Proof of concept. No preliminary data required.& #61623; Funding Level 2: Research that is already supported by preliminary data and has potential to make significant advancements toward translation from the laboratory to the clinic. Demonstration of efficacy in in vivo models or clinical research studies, as applicable. Implementation Plan: Applications must be supported by a detailed plan that identifies critical milestones and outlines the knowledge, resources, and technical innovations that will be utilized to achieve the milestones. A robust statistical plan and statistical expertise should be included where applicable. Partnering PI Option: The Breakthrough Award encourages applications that include meaningful and

productive collaborations between investigators. The Partnering PI Option is structured to accommodate two PIs, each of whom will receive a separate award. One partner is identified as the Initiating PI, and the other partner is identified as the Partnering PI. The Initiating and Partnering PIs have different submission requirements; however, both PIs should contribute to the preparation of a single application. The collaborative partners may have expertise in similar or disparate scientific disciplines, but each partner is expected to bring different strengths to the application. New collaborations are encouraged, but not required. It is the responsibility of the collaborating investigators to describe how their combined expertise in the collaboration will better address the research question and explain why the work should be performed together rather than through separate efforts.

Link to Additional Information:

<http://www.grants.gov/applicants/download-application-package.html?oppId=183872>

W81XWH-13-MRPRA-MRFA
DOD FY13 Militarily Relevant Peer Reviewed Alzheimer's Disease - Military Risk Factors
Research Award
Dept. of the Army -- USAMRAA — Department of Defense

Closing Date for Applications: Dec 16, 2013

Estimated Total Program Funding: \$5,500,000

Eligible Applicants: Unrestricted

Description: Military personnel who suffer from Traumatic Brain Injuries (TBIs) face an increased risk for developing several long-term health problems. These conditions include Alzheimer's-like dementia, aggression, memory loss, depression, and symptoms similar to those of other neurological diseases. Research funded through the FY13 Military Risk Factors Research Award (MRFA) Program Announcement/Funding Opportunity is intended to facilitate high-impact, systematic, population-based, research into the association between TBI and the subsequent development of Alzheimer's Disease (AD). This announcement seeks applications which will work with well-defined, already identified, study cohorts. Studies should demonstrate how they will characterize the association of TBI and subsequent AD. As part of the application, applicants should carefully consider how their studies will characterize the cognitive and behavioral symptoms that result in functional impairments in the proposed cohort. Studies that use combinations of measures (e.g., neuropsychological assessments, imaging, genomics, and cerebral spinal fluid) are encouraged. Investigators should consider developing interdisciplinary teams or consortia as part of the support plan for executing the research. The research impact is intended to benefit the military community, while also meeting a public purpose for the benefit of the civilian community.

Link to Additional Information: <http://www.grants.gov/applicants/download-application-package.html?oppld=183635>

W81XWH-13-MRPRA-CSRA
DOD FY13 Militarily Relevant Peer Reviewed Alzheimer's Disease - Convergence Science
Research Award
Dept. of the Army -- USAMRAA — Department of Defense

Closing Date for Applications: Dec 16, 2013

Estimated Total Program Funding: \$3,000,000

Eligible Applicants: Unrestricted

Description: Military personnel who suffer from Traumatic Brain Injuries (TBIs) face an increased risk for developing several long-term health problems. These conditions include Alzheimer's-like dementia, aggression, memory loss, depression, and symptoms similar to those of other neurological diseases. Research funded through the FY13 Convergence Science Research Award (CSRA) Program Announcement/Funding Opportunity is intended to address the Militarily Relevant Peer Reviewed Alzheimer's Disease Research Program's (MRPRA's) Overarching Challenges 1 and 2. (See Program Announcement for details.) Research funded through the FY13 CSRA is intended to generate research resources, tools, or validate research for professionals and practitioners in health sciences related to the MRPRA's mission. Applications which consider, characterize, or explore susceptibility factors (e.g., genetic, neuropsychological, or proteomic risk factors) of individuals to TBI and subsequent Alzheimer's Disease are strongly encouraged. The research impact is intended to benefit the military community, while also meeting a public purpose for the benefit of the civilian community.

Link to Additional Information: <http://www.grants.gov/applicants/download-application-package.html?oppld=183636>

ONRBAA13-024
Minerva Research Initiative
Office of Naval Research — Department of Defense

Closing Date for Applications: Feb 14, 2014 Refer to BAA or application instructions for white paper due dates

Eligible Applicants: Unrestricted

Description: The Office of Naval Research (ONR) is interested in receiving proposals for the Minerva Research Initiative (<http://minerva.dtic.mil>), a DoD-sponsored, university-based social science research program initiated by the Secretary of Defense. This program is a multi-service effort. Ultimately, however, funding decisions will be made by OSD personnel, with technical inputs from the Services. The program focuses on areas of strategic importance to U.S. national security policy. It seeks to increase the Department's intellectual capital in the social sciences and improve its ability to address future challenges and build bridges between the Department and the social science community. Minerva brings together universities, research institutions, and individual scholars and supports multidisciplinary and cross-institutional projects addressing specific topic areas determined by the Department of Defense. The Minerva Research Initiative aims to promote research in specific areas of social science and to promote a candid and constructive relationship between DoD and the social science academic community.

Link to Additional Information: [Link to all ONR BAA's](#)

HRSA-14-029

Twinning Program Cooperative Agreement

Health Resources & Services Administration — Department of Health and Human Services

Closing Date for Applications: Oct 15, 2013

Award Ceiling: \$16,000,000

Award Floor: \$16,000,000

Description: The purpose of this announcement is to solicit applications for the Twinning Program Cooperative Agreement. The overall goal of the Twinning Program (TP) is to provide facilitation, management and technical support for the formation of HIV-AIDS-related, voluntary, peer-to-peer institutional partnerships for capacity building in collaboration with U.S. government (USG) field offices to support the President's Emergency Plan for AIDS Relief (PEPFAR) and its strategic vision and plan as stated in the PEPFAR Blueprint for Creating an AIDS-free Generation. In supporting the TP model, PEPFAR recognizes the need for diverse evidence-based cost-efficient approaches for systems and capacity building. Activities supported by the TP will need to follow PEPFAR Blueprint principles of: Making strategic and scientifically sound investments to maximize impact and efficiencies, Working with partner countries, civil society, Faith Based Organizations (FBOs), and the private sector, Supporting activities that minimize stigma and discrimination with attention to gender equality, Proactively monitoring and improving outcomes and efficiencies.

Link to Additional Information: <https://grants.hrsa.gov/webExternal/SFO.asp?ID=2fa43755-62f9-4b6d-8115-a2f8d662485b>

PAR-13-343

NeuroNEXT Clinical Trials (U01)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Dec 3, 2015

Eligible Applicants: City or township governments
State governments
For profit organizations other than small businesses
Private institutions of higher education
Native American tribal organizations (other than Federally recognized tribal governments)
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Native American tribal governments (Federally recognized)
County governments
Public and State controlled institutions of higher education
Others (see text field entitled "Additional Information on Eligibility" for clarification)
Small businesses
Public housing authorities/Indian housing authorities
Independent school districts
Special district governments

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Organizations) and foreign components of U.S. Organizations are eligible to apply, but will have to work with the U.S.-based NeuroNEXT infrastructure. Foreign components, as defined in the NIH Grants Policy Statement, are allowed.

Agency Name: National Institutes of Health

Description: This FOA encourages applications for exploratory clinical trials of investigational agents (drugs, biologics, surgical therapies or devices) that

may contribute to the justification for and provide the data required for designing a future trial, for biomarker validation studies, or for proof of mechanism clinical studies. Diseases chosen for study should be based on the NINDS' strategic plan and clinical research interests (www.ninds.nih.gov/funding/areas/index.htm). Successful applicants will be given access to the NeuroNEXT infrastructure. Following peer review, NINDS will prioritize and order trials that are given access to the NeuroNEXT infrastructure. The NeuroNEXT Clinical Coordinating Center (CCC) will work with the successful applicant to efficiently implement the proposed study. The NeuroNEXT Data Coordinating Center (DCC) will provide statistical and data management support. The NeuroNEXT clinical sites will provide recruitment/retention support as well as on-site implementation of the clinical protocol. Applicants do not need to be part of the existing NeuroNEXT infrastructure.

Link to Additional
Information:

<http://grants.nih.gov/grants/guide/pa-files/PAR-13-343.html>

PAR-13-341
Bridges to the Doctorate (R25)
National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Sep 25, 2015

Eligible Applicants: Others (see text field entitled "Additional Information on Eligibility" for clarification)
Private institutions of higher education
Public and State controlled institutions of higher education

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Tribally Controlled Colleges and Universities (TCCUs) ; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.

Description: This Funding Opportunity Announcement (FOA) encourages Research Education Grant (R25) applications from institutions that propose to enhance the pool of masters degree students from underrepresented backgrounds who are trained and available to participate in NIH-funded research. This initiative promotes partnerships/consortia between colleges or universities granting a terminal masters degree with institutions that offer the doctorate degree. The program expects that the joint efforts of doctorate degree-granting and masters degree-granting institutions will foster the development of a well-integrated institutional program that will provide students with the necessary academic preparation and skills to enable their transition and successful completion of the Ph.D. degree in biomedical and behavioral sciences.

Link to Additional Information: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-341.html>

RFA-AG-14-014

Paul B. Beeson Patient-Oriented Research Career Development Award in Aging (K23)
National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Nov 14, 2013

Estimated Total Program Funding: \$1,000,000

Eligible Applicants: Special district governments
State governments
Public and State controlled institutions of higher education
Others (see text field entitled "Additional Information on Eligibility" for clarification)
Small businesses
Public housing authorities/Indian housing authorities
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
Native American tribal organizations (other than Federally recognized tribal governments)
City or township governments
Private institutions of higher education
County governments
Native American tribal governments (Federally recognized)
For profit organizations other than small businesses
Independent school districts
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.

Description: The National Institute on Aging (NIA) and the National

Institute of Neurological Disorders and Stroke (NINDS) are pursuing this initiative to encourage and assist the development of future leaders in the field of aging by supporting clinically trained (primarily physician) faculty members early in their careers to gain additional research training and to establish independent programs in aging research. The John A. Hartford Foundation (<http://www.jhartfound.org/>) and The American Federation for Aging Research (<http://afar.org/>) are interested in independently funding applications submitted under this initiative.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-014.html>

RFA-AG-14-013

Paul B. Beeson Clinical Scientist Development Award in Aging (K08)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Nov 14, 2013

Estimated Total Program Funding: \$1,000,000

Eligible Applicants: Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
County governments
Private institutions of higher education
Special district governments
State governments
Others (see text field entitled "Additional Information on Eligibility" for clarification)
City or township governments
Independent school districts
Public and State controlled institutions of higher education
Public housing authorities/Indian housing authorities
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
Native American tribal organizations (other than Federally recognized tribal governments)
For profit organizations other than small businesses
Small businesses
Native American tribal governments (Federally recognized)

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.

Description: The National Institute on Aging (NIA) and the National

Institute of Neurological Disorders and Stroke (NINDS), are pursuing this initiative to encourage and assist the development of future leaders in the field of aging by supporting clinically trained (primarily physician) faculty members early in their careers to gain additional research training and to establish independent programs in aging research. The John A. Hartford Foundation (<http://www.jhartfound.org/>) and The American Federation for Aging Research (<http://afar.org/>) are interested in independently funding applications submitted under this initiative.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-013.html>

PA-13-339

Mechanisms of Alcohol and Stimulant Co-Addiction (R01)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Jan 7, 2017

Eligible Applicants:

- Special district governments
- Private institutions of higher education
- Public and State controlled institutions of higher education
- Native American tribal governments (Federally recognized)
- Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
- Others (see text field entitled "Additional Information on Eligibility" for clarification)
- Native American tribal organizations (other than Federally recognized tribal governments)
- Public housing authorities/Indian housing authorities
- Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
- For profit organizations other than small businesses
- State governments
- City or township governments
- County governments
- Independent school districts
- Small businesses

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed.

Description: This FOA encourages R01 applications from institutions/organizations that propose to study the

neurobiological and behavioral mechanisms that might explain how alcohol and stimulants interact at genetic, epigenetic, cellular, neurocircuitry and behavioral levels to promote co-addiction.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/pa-files/PA-13-339.html>

PA-13-340

Mechanisms of Alcohol and Stimulant Co-Addiction (R21)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Jan 7, 2017

Award Ceiling: \$200,000

Eligible Applicants: County governments
City or township governments
Small businesses
Native American tribal organizations (other than Federally recognized tribal governments)
Independent school districts
Public housing authorities/Indian housing authorities
Special district governments
For profit organizations other than small businesses
State governments
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
Others (see text field entitled "Additional Information on Eligibility" for clarification)
Public and State controlled institutions of higher education
Native American tribal governments (Federally recognized)
Private institutions of higher education

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed

Description: This FOA encourages R21 applications from

institutions/organizations that propose to study the neurobiological and behavioral mechanisms that might explain how alcohol and stimulants interact at genetic, epigenetic, cellular, neurocircuitry and behavioral levels to promote co-addiction.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/pa-files/PA-13-340.html>

PA-13-336

Neuroscience Research on Drug Abuse (R03)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Jan 7, 2017

Eligible Applicants: For profit organizations other than small businesses
Others (see text field entitled "Additional Information on Eligibility" for clarification)
City or township governments
Public and State controlled institutions of higher education
Private institutions of higher education
Independent school districts
Special district governments
Native American tribal governments (Federally recognized)
County governments
Public housing authorities/Indian housing authorities
Native American tribal organizations (other than Federally recognized tribal governments)
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
State governments
Small businesses

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed.

Description: Substance abuse results in widespread changes in brain structure and function, and research is needed to explain

these changes and how they affect behavior. The goals of the research areas described in this Neuroscience of Drug Abuse FOA are to understand the neurobiological mechanisms underlying drug abuse and addiction, with special emphasis on changes that occur during chronic drug use, withdrawal and relapse. An understanding of the basic mechanisms underlying drug addiction can help to identify targets for prevention and treatment interventions. Research utilizing basic, translational, or clinical approaches is appropriate.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/pa-files/PA-13-336.html>

PA-13-337

Neuroscience Research on Drug Abuse (R21)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Jan 7, 2017

Eligible Applicants: State governments
Native American tribal organizations (other than Federally recognized tribal governments)
Special district governments
Public and State controlled institutions of higher education
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
For profit organizations other than small businesses
Native American tribal governments (Federally recognized)
Others (see text field entitled "Additional Information on Eligibility" for clarification)
Small businesses
Independent school districts
City or township governments
County governments
Private institutions of higher education
Public housing authorities/Indian housing authorities

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed.

Description: Substance abuse results in widespread changes in brain structure and function, and research is needed to explain these changes and how they affect behavior. The goals of the research areas described in this Neuroscience of Drug Abuse FOA are to understand the neurobiological mechanisms underlying drug abuse and addiction, with special emphasis on changes that occur during chronic drug use, withdrawal and relapse. An understanding of the basic mechanisms underlying drug addiction can help to identify targets for prevention and treatment interventions. Research

utilizing basic, translational, or clinical approaches is appropriate.

Link to Additional
Information:

<http://grants.nih.gov/grants/guide/pa-files/PA-13-337.html>

PA-13-338
Neuroscience Research on Drug Abuse (R01)
National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Jan 7, 2017

Eligible Applicants: Independent school districts
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
Public housing authorities/Indian housing authorities
Public and State controlled institutions of higher education
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Private institutions of higher education
Special district governments
Others (see text field entitled "Additional Information on Eligibility" for clarification)
Native American tribal governments (Federally recognized)
State governments
City or township governments
Native American tribal organizations (other than Federally recognized tribal governments)
Small businesses
For profit organizations other than small businesses
County governments

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed.

Description: Substance abuse results in widespread changes in brain structure and function, and research is needed to explain these changes and how they affect behavior. The goals of the research areas described in this Neuroscience of Drug Abuse FOA are to understand the neurobiological mechanisms underlying drug abuse and addiction, with special emphasis on changes that occur during chronic drug use, withdrawal and relapse. An understanding of the basic mechanisms underlying drug addiction can help to identify targets for prevention and treatment interventions. Research

utilizing basic, translational, or clinical approaches is appropriate.

Link to Additional
Information:

<http://grants.nih.gov/grants/guide/pa-files/PA-13-338.html>

RFA-AI-13-036

Inner City Asthma Consortium (UM1)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Dec 20, 2013

Estimated Total Program Funding: \$10,000,000

Eligible Applicants: Others (see text field entitled "Additional Information on Eligibility" for clarification)
City or township governments
Native American tribal governments (Federally recognized)
For profit organizations other than small businesses
Independent school districts
Native American tribal organizations (other than Federally recognized tribal governments)
Small businesses
Public and State controlled institutions of higher education
Public housing authorities/Indian housing authorities
Private institutions of higher education
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
County governments
Special district governments
State governments
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.

Description: The purpose of this Funding Opportunity Announcement

(FOA) is to invite applications to conduct clinical research and assume the leadership and administrative responsibilities for the Inner City Asthma Consortium (ICAC). The selected applicant will continue the mission of the ICAC, which focuses on the prevention and treatment of asthma in inner-city populations by conducting clinical trials and mechanistic studies in order to understand the immunopathogenesis of the disease and to evaluate and develop effective interventions tailored to inner-city populations.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-13-036.html>

RFA-DK-13-507

Limited Competition of the MAPP Research Network(U01)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Nov 27, 2013

Estimated Total Program Funding: \$7,000,000

Eligible Applicants: Small businesses
City or township governments
Independent school districts
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Special district governments
Native American tribal governments (Federally recognized)
Others (see text field entitled "Additional Information on Eligibility" for clarification)
For profit organizations other than small businesses
State governments
Public and State controlled institutions of higher education
Private institutions of higher education
Public housing authorities/Indian housing authorities
Native American tribal organizations (other than Federally recognized tribal governments)
County governments
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed.

Description: The Multidisciplinary Approach to the Study of Chronic

Pelvic Pain (MAPP) Research Network conducts multi-center studies of urologic chronic pelvic pain syndromes (UCPPS) commonly known as interstitial cystitis/bladder pain syndrome (IC/BPS) and chronic prostatitis/chronic pelvic pain syndrome (CP/CPPS). The goal of the MAPP Network is to provide new insights into underlying etiology, natural history, and risk factors in order to provide a translational foundation to facilitate future clinical intervention efforts and improve clinical management for the syndromes. The MAPP Research Network is currently comprised of six Discovery Sites, a Data Coordination Core (DCC), and a Tissue and Technology Core (TATC). In the second project period, the MAPP Research Network will continue analyses of clinical data and assays of biological samples collected in the first project period and develop and implement a second phase of collaborative protocols. Another goal will be to generate a resource of clinical data and biological samples for sharing with the community in support of future studies designed to further advance discovery in this area. The purpose of this Funding Opportunity Announcement (FOA) is to invite applications from the current MAPP Discovery and Core Sites for a second five year project period through a Limited Competition.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-507.html>

RFA-DK-13-025

Expansion of the MAPP Research Network (U01)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Nov 27, 2013

Estimated Total Program Funding: \$700,000

Award Ceiling: \$250,000

Eligible Applicants: Independent school districts
Special district governments
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Private institutions of higher education
Others (see text field entitled "Additional Information on Eligibility" for clarification)
For profit organizations other than small businesses
State governments
Public and State controlled institutions of higher education
Small businesses
Native American tribal governments (Federally recognized)
City or township governments
Native American tribal organizations (other than Federally recognized tribal governments)
Public housing authorities/Indian housing authorities
County governments
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regionally Controlled Colleges and Universities (RCCUs); Tribally Controlled Colleges and Universities (TCCUs); U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in

the NIH Grants Policy Statement, are allowed.

Description:

The Multidisciplinary Approach to the Study of Chronic Pelvic Pain (MAPP) Research Network (www.mappnetwork.org) conducts multi-center studies of urologic chronic pelvic pain syndromes (UCPPS) commonly known as interstitial cystitis/bladder pain syndrome (IC/BPS) and chronic prostatitis/chronic pelvic pain syndrome (CP/CPPS). The goal of the MAPP Research Network is to provide new insights into underlying etiology, natural history, and risk factors in order to provide a translational foundation to facilitate future clinical intervention efforts and improve clinical management for the syndromes. The MAPP Research Network is currently comprised of six Discovery Sites, a Data Coordination Core (DCC), and a Tissue and Technology Core (TATC). In a second project period, the MAPP Research Network will continue analyses of clinical data and assays of biological samples collected in the first project period and develop and implement a second phase of collaborative protocols. Another goal will be to generate a resource of clinical data and biological samples for sharing with the community in support of future studies designed to further advance discovery in this area. The purpose of this Funding Opportunity Announcement (FOA) is to expand the MAPP Research Network by adding new Discovery Sites.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-025.html>

PAR-13-335

NHLBI Investigator-Initiated Resource-Related Research Projects (R24)
National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Oct 29, 2013

- Eligible Applicants:
- City or township governments
 - Private institutions of higher education
 - Independent school districts
 - Public and State controlled institutions of higher education
 - For profit organizations other than small businesses
 - County governments
 - Others (see text field entitled "Additional Information on Eligibility" for clarification)
 - State governments
 - Public housing authorities/Indian housing authorities
 - Small businesses
 - Special district governments
 - Native American tribal governments (Federally recognized)
 - Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
 - Native American tribal organizations (other than Federally recognized tribal governments)
 - Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
- Additional Information on Eligibility:
- Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.
- Description:
- This Funding Opportunity Announcement (FOA), issued by the NHLBI, invites Resource-Related Research Project applications (R24) to support projects that will enhance the capabilities of ongoing basic, translational, and clinical research through the development of resources or

infrastructure for use by the broader scientific community for furthering research. The scope of the R24 must address a critical national need that fulfills the NHLBI's strategic vision.

Link to Additional Information: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-335.html>

RFA-RM-13-013

Library of Integrated Network-Based Cellular Signatures (LINCS): Perturbation-Induced Data and Signature Generation Centers (U54)

National Institutes of Health — Department of Health and Human Services

Closing Date for Applications: Dec 19, 2013

Estimated Total Program Funding: \$10,000,000

Award Ceiling: \$1,700,000

Eligible Applicants: Native American tribal governments (Federally recognized)
Public housing authorities/Indian housing authorities
Independent school districts
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
For profit organizations other than small businesses
Small businesses
Private institutions of higher education
Others (see text field entitled "Additional Information on Eligibility" for clarification)
Native American tribal organizations (other than Federally recognized tribal governments)
Special district governments
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education
County governments
Public and State controlled institutions of higher education
City or township governments
State governments

Additional Information on Eligibility: Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign

components, as defined in the NIH Grants Policy Statement, are not allowed.

Description:

This FOA seeks to establish a large-scale data production effort to systematize approaches for identifying mechanism-based associations between the effects of disparate biological perturbations, by means of signatures. Such perturbations may include siRNAs, small bioactive molecules, environmental manipulations, among others. These data will also inform a knowledge base that can be used to study functional relationships among the responding cellular components. The Library of Integrated Network-Based Cellular Signatures (LINCS) program will support high-throughput collection and integrative computational analysis of informative molecular activity and cellular response features applied to a set of carefully selected human cell types. Relevant predictive patterns of molecular activities and other cellular behaviors are the cellular signatures that characterize responses to a variety of perturbing agents. The resulting knowledge-base of signatures will form the basis of a long-lived resource that can be used broadly by the community. For example, LINCS may inform the association of disease states with detailed molecular or cellular phenotypes caused by specific genetic variants, relating disease with changes in the function of specific gene networks, or the mechanism of action of known drugs. This FOA seeks to fund large-scale data production efforts that will enhance the existing LINCS resource while addressing the following: use of a broader range of cell types and assays than used in the existing LINCS resource, improved multidimensional data integration, some new technology development, user-interfaces needed by the typical biomedical scientist, and dissemination of the LINCS approach to study a broad range of disease biology and mechanisms. The outcomes of the research solicited by this FOA are expected to be highly synergistic with those of other research programs.

Link to Additional Information:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-013.html>

13-591

Partnerships for Innovation: Accelerating Innovation Research- Research Alliance
National Science Foundation

Closing Date for Applications: Feb 12, 2014 Letter of Intent Due Date(s) (required) (due by 5 p.m. proposer's local time): December 13, 2013 Full Proposal Deadline(s): February 12, 2014

Archive Date: Mar 12, 2014

Estimated Total Program Funding: \$6,000,000

Eligibility: *Organization Limit: Proposals may only be submitted by the following: - Universities and Colleges - Universities and two- and four-year colleges with a campus located in the US and accredited in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. The lead (submitting) organization must be an academic institution. One and only one institution within an NSF-funded research alliance can be the lead/submitting institution. An NSF-funded research alliance is defined as a research partnership between/among universities and other entities that is formed for mutual benefit and funded by the NSF. Examples of NSF research alliances include but are not limited to consortia, such as Engineering Research Centers, Industry University Cooperative Research Centers, Science and Technology Centers, Nanoscale Science and Engineering Centers, Materials Research Science and Engineering Centers, Centers for Chemical Innovation, Emerging Frontiers in Research and Innovation grantees and others. *PI Limit: A PI may submit only one proposal to this PFI:AIR-RA solicitation. At least one individual representing a Research Partner must be a co-PI or Senior Personnel on the proposal. A Research Partner provides a complementary skill set to the Research Alliance such that competitive technologies, which neither party could do as well alone, are accelerated to commercial realities and transferred to the marketplace.

Description: The NSF Partnerships for Innovation (PFI) program within the Division of Industrial Innovation and Partnerships (IIP) is an umbrella for two complementary subprograms, Accelerating Innovation Research (AIR) and Building Innovation Capacity (BIC). Both programs are concerned with the movement of academic research discoveries into the marketplace, although each focuses on different stages along

the innovation spectrum. The PFI:AIR program has two additional subprograms: the PFI:AIR-Technology Translation (See NSF 13-575) and PFI:AIR- Research Alliance (this solicitation). This PFI: AIR-Research Alliance (RA) solicitation is intended to accelerate the translation and transfer of existing research discoveries into competitive technologies and commercial realities by leveraging the investments NSF has made in research alliances (e.g., consortia such as Engineering Research Centers, Industry University Cooperative Research Centers, Science and Technology Centers, Nanoscale Science and Engineering Centers, Materials Research Science and Engineering Centers, Centers for Chemical Innovation, Emerging Frontiers in Research and Innovation grantees and others) and catalyzing academic-based innovation ecosystems. The goal is that these synergistic partnerships and collaborations between government, academia, and other public and private entities will result in new wealth and the building of strong local and regional economies. WEBINAR: A webinar will be held within 6 weeks of the release date of this solicitation to answer any questions about this solicitation. Details will be posted on the IIP website (<http://www.nsf.gov/eng/iip/pfi/index.jsp>) as they become available.

Link to Additional Information: [NSF Publication 13-591](#)

13-583
Emerging Frontiers in Research and Innovation (EFRI)
National Science Foundation

Closing Date for Applications: Feb 10, 2014 Please see full proposal for deadline dates

Estimated Total Program Funding: \$15,000,000

Award Ceiling: \$2,000,000

Award Floor: \$1,000,000

Eligibility: *Organization Limit: Proposals may only be submitted by the following: - Universities and Colleges - Universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. *PI Limit: Principal Investigators (PI) must be at the faculty level as determined by the submitting organization. A minimum of one PI and two co-PIs must participate.

Description: The Directorate for Engineering at the National Science Foundation has established the Office of Emerging Frontiers in Research and Innovation (EFRI) to serve a critical role in focusing on important emerging areas in a timely manner. This solicitation is a funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. For this solicitation, we will consider proposals that aim to investigate emerging frontiers in the following research area: Two-Dimensional Atomic-layer Research and Engineering (2-DARE) This solicitation is coordinated with the Directorate for Mathematical & Physical Sciences within NSF. Additionally, interest within other Federal agencies, specifically Air Force Office of Scientific Research (AFOSR), may lead to an interagency effort. Submitted proposals may be shared with interested representatives from AFOSR. EFRI seeks proposals with transformative ideas that represent an opportunity for a significant shift in fundamental engineering knowledge with a strong potential for long term impact on national needs or a grand challenge. The proposals must also meet the detailed requirements delineated in this solicitation.

Link to
Additional
Information: [NSF Publication 13-583](#)

13-590
Centers for Chemical Innovation
National Science Foundation

Closing Date for Applications: Nov 21, 2013 Full Proposal Deadline(s): November 21, 2013 for eligible Phase II proposals

Estimated Total Program Funding: \$8,000,000

Award Floor: \$4,000,000

Eligibility: *Organization Limit: Proposals may only be submitted by the following: -Non-profit, non-academic organizations: Independent museums, observatories, research labs, professional societies and similar organizations in the U.S. associated with educational or research activities. - Universities and Colleges - Universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. *PI Limit: While these proposals will reflect the research of many investigators, only the name of the PI should appear on the cover sheet. All other investigators are considered senior personnel. An investigator may participate (as PI or senior personnel) in only one CCI proposal submitted to this competition. The PI must be affiliated with an eligible submitting organization

Description: The Centers for Chemical Innovation (CCI) Program supports research centers focused on major, long-term fundamental chemical research challenges. CCIs that address these challenges will produce transformative research, lead to innovation, and attract broad scientific and public interest. CCIs are agile structures that can respond rapidly to emerging opportunities and make full use of cyberinfrastructure to enhance collaborations. CCIs may partner with researchers from industry, government laboratories and international organizations. CCIs integrate research, innovation, education, and informal science communication and include a plan to broaden participation of underrepresented groups. The CCI program is a two-phase program, but only Phase II will be offered in FY 2014. Only organizations receiving Phase I awards in FY 2011 and renewals of Phase II CCIs initiated in FY 2009 are eligible to request Phase II funding in FY 2014.

Link to Additional Information: [NSF Publication 13-590](#)

PD-14-5345
Biomedical Engineering
National Science Foundation

Closing Date for Applications: Oct 29, 2013 Submission Window Date(s) (due by 5 p.m. proposer's local time): September 27, 2013 - October 29, 2013

Estimated Total Program Funding: \$10,400,000

Award Ceiling: \$600,000

Award Floor: \$300,000

Eligible Applicants: Unrestricted

Description: The mission of the Biomedical Engineering (BME) program is to provide opportunities to develop novel ideas into discovery-level and transformative projects that integrate engineering and life science principles in solving biomedical problems that serve humanity in the long-term. The Biomedical Engineering (BME) program supports fundamental research in the following BME themes: Neural engineering (brain science, computational neuroscience, brain-computer interface, neurotech, cognitive engineering) Cellular biomechanics (motion, deformation, and forces in biological systems; how mechanical forces alter cell growth, differentiation, movement, signal transduction, transport, cell adhesion, cell cytoskeleton dynamics, cell-cell and cell-ECM interactions; genetically engineered stem cell differentiation with long-term impact in tissue repair and regenerative medicine) The BME projects must be at the interface of engineering and life sciences, and advance both engineering and life sciences. The projects should focus on high impact transforming methods and technologies. The project should include methods, models and tools of understanding and controlling of living systems; fundamental improvements in deriving information from cells, tissues, organs, and organ systems; new approaches to the design of structures and materials for eventual medical use in the long-term; and new novel methods of reducing health care costs through new technologies. The projects should emphasize the advancement of fundamental engineering knowledge, possibly leading to the development of new methods and technologies in the long-term; and highlight multi-disciplinary nature, integrating engineering and the sciences. The long-term impact of the projects can be related to disease diagnosis and/or treatment, improved

health care delivery, or product development. The BME program does not support clinical studies. As stated earlier, the current program themes are Neural Engineering and Cellular Biomechanics. BME Program requirement: On the last line of the project summary page for unsolicited and CAREER proposals, the PI should write the BME theme(s) given above that he/she is submitting the proposal for. [Please check the list above to determine the BME theme(s) for your proposal.] The duration of unsolicited awards is generally one to three years. The typical annual award size for the program is \$100,000 for individual investigators or \$200,000 for multiple investigators per year (including indirect cost). Proposals requesting a substantially higher amount than this, without prior consultation with the Program Director, may be returned without review. Small equipment proposals of less than \$100,000 will also be considered and may be submitted during the annual submission window. Innovative proposals outside of these specific interest areas can be considered. However, prior to submission, it is recommended that the PI contact the Program Director to avoid the possibility of the proposal being returned without review. Additional Program Information - 5345: (e.g., Areas of Research, Research Highlights, Conferences and Workshops, Program Director Information, etc.)

Link to Additional Information: [NSF Program Description 14-5345](#)

13-595

NSF Science, Engineering and Education for Sustainability Fellows
National Science Foundation

Closing Date for Applications: Nov 26, 2013 Full Proposal Deadline(s): November 26, 2013

Archive Date: Dec 26, 2013

Estimated Total Program Funding: \$5,500,000

Eligible Applicants: Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility: *Organization Limit: Proposals may only be submitted by the following: -Non-profit, non-academic organizations: Independent museums, observatories, research labs, professional societies and similar organizations in the U.S. associated with educational or research activities. -Universities and Colleges - Universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in, the US acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. - Proposals may also be submitted by individuals who are unaffiliated or who are affiliated with for-profit organizations, state or local governments or Federal agencies. When applying as independent/unaffiliated individuals, Fellow applicants must register with FastLane prior to submitting their proposals and, if recommended for an award, must affiliate with a U.S. university, college, or non-profit, non-academic organization, which will administer the award. *PI Limit: The Principal Investigator (PI) on the NSF SEES Fellows proposal must be the prospective Fellow. No co-PIs are allowed. To be eligible to submit a proposal to the NSF SEES Fellows program, an individual must, as of the proposal deadline date, meet all of the following criteria: Be a U.S. citizen, national, or permanent resident;Have earned the doctoral degree, or expect to have earned the doctoral degree, by the start date of the award;Not have worked for more than 36 full-time equivalent months in one or more positions that require the doctoral degree. If more than 36 months have elapsed between conferral of the doctoral degree and the SEES Fellows proposal

deadline date, PIs must include specific language in their Biographical Sketch affirming that they meet this eligibility requirement;

- Not be employed in a tenure-track (or tenure-track-equivalent) position at an academic institution or at a non-profit, non-degree-granting organization such as a museum, observatory, or research lab.

Agency Name:

National Science Foundation

Description:

Through the SEES Fellows Program, NSF seeks to advance science, engineering, and education to inform the societal actions needed for environmental and economic sustainability and human well-being while creating the necessary workforce to address these challenges. The Program's emphasis is to facilitate investigations that cross traditional disciplinary boundaries and address issues of sustainability through a systems approach, building bridges between academic inquiry, economic growth, and societal needs. The Fellow's proposed investigation must be interdisciplinary and allow him/her to obtain research experiences beyond his/her current core disciplinary expertise. Fellows are required to develop a research partnership(s) that will advance and broaden the impact/scope of the proposed research, and present a plan for their own professional development in the area of sustainability science and engineering. Proposals with a primary focus on topics covered by the Directorate for Engineering (ENG) are considered "out of scope" for this revised solicitation; however, proposals may include such topics as a secondary (or tertiary) focus.

Link to Additional Information:

[NSF Publication 13-595](#)

ECA-ECAAE-14-007

Global Undergraduate Exchange Program for East Asia and the Pacific and the Western Hemisphere

Bureau Of Educational and Cultural Affairs — Department of State

Closing Date for Applications: Oct 18, 2013

Award Ceiling: \$3,775,000

Eligible Applicants: Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Private institutions of higher education
Others (see text field entitled "Additional Information on Eligibility" for clarification)
Public and State controlled institutions of higher education

Agency Name: Bureau Of Educational and Cultural Affairs

Description: The Office of Academic Exchange Programs of the Bureau of Educational and Cultural Affairs (ECA) announces an open competition for an assistance award to provide administrative services for the FY 2014 Global Undergraduate Exchange Program for East Asia and the Pacific and the Western Hemisphere (Global UGRAD Program for EAP and WHA). Public and private non-profit organizations meeting the provisions described in IRS regulation 26 CFR 1.501(c) (3) may submit proposals to cooperate with the Bureau in the administration and implementation of academic exchange activities for promising undergraduate students from underrepresented sectors of the population in East Asia and the Pacific and the Western Hemisphere. For a list of participating countries by region, please see the Project Objectives, Goals, and Implementation document (POGI) that accompanies this announcement. Organizations must apply to administer the program in both geographic regions. Pending the availability of funds it is anticipated that the total amount of funding available for all FY 2014 activities will be \$3,775,000 and will involve the management of approximately 145 students.

Link to Additional Information: [Global Undergraduate Exchange Program for East Asia and the Pacific and the Western Hemisphere](#)

DTFH61-13-RA-00026

Air Quality and Congestion Mitigation Measure Outcomes Assessment Study
DOT Federal Highway Administration — Department of Transportation

Closing Date for Applications: Sep 18, 2013

Archive Date: Oct 18, 2013

Estimated Total Program
Funding: \$1,000,000

Eligibility: Independent scientific research organizations (ISROs) are eligible to apply for this cooperative agreement. (See below for the meaning of ISRO). Applications will be rejected if they are not received from an ISRO. Applicants must verify in Attachment A that they meet the eligibility requirements and provide any necessary documentation to support their eligibility. Please provide articles of incorporation or other similar documentation that demonstrate that your organization would be considered an Independent Scientific Research Organization. The Government may request further documentation after receipt of the application. Applicants should also demonstrate that they meet the requisite research experience as listed below. The ISRO may enter into a partnership agreement with any other entities to assist with program activities. The successful applicant will be an ISRO as defined below. Independent Scientific Research Organization (ISRO) – means any not-for profit entity organized under the laws of any State that conducts research, including scientific experimentation or analysis that is not for eventual commercial purpose.

Description: The U.S. Department of Transportation (US DOT) intends to conduct a research effort entitled “Air Quality and Congestion Mitigation Measure Outcomes Assessment Study.” The objective of this study is to better understand the outcomes of actions funded under the Congestion Mitigation and Air Quality Improvement Program (CMAQ) since the enactment of Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU, Public Law 109-59). Outcomes of interest include the emissions reduction potential and air quality and human health impacts of such actions. Additionally, the study shall serve to increase the empirical evidence of the causal relationship between such transportation actions and these outcomes, both intended and unintentional. The validity of methods used to make these types of outcome assessments will also be explored and assessed.

Link to Additional Information: <http://www.grants.gov/applicants/download-application-package.html?oppld=184196>

NNH13ZDA001N-OVWST
ROSES 2013: Ocean Vector Winds Science Team
NASA Headquarters — National Aeronautics and Space Administration

Closing Date for Applications: Oct 31, 2013

Eligibility: Proposers must be affiliated with an institution at nspires.nasaprs.com/ and, in general, NASA provides funding only to US institutions. Organizations outside the U.S. that propose on the basis of a policy of no-exchange-of-funds; consult Appendix B Section (I) of the guidebook for proposers (<http://www.hq.nasa.gov/office/procurement/nraguidebook/>) for specific details. Some NRAs may be issued jointly with a non-U.S. organization, e.g., those concerning guest observing programs for jointly sponsored space science programs, that will contain additional special guidelines for non-U.S. participants. Also ref. Sections 2.3.10(c)(vii) of the guidebook for proposers for special instructions for proposals from non-U.S. organizations that involve U.S. personnel for whom NASA support is requested.

Description: NNH13ZDA001N, entitled "Research Opportunities in Space and Earth Sciences - 2013 (ROSES-2013)," will be available on or about February 14, 2013, by opening the NASA Research Opportunities homepage at <http://nspires.nasaprs.com/> and then linking through the menu listing "Solicitations" to "Open Solicitations." This NASA Research Announcement (NRA) solicits proposals for supporting basic and applied research and technology across a broad range of Earth and space science program elements relevant to one or more of the following NASA Research Programs: Earth Science, Heliophysics, Planetary Science, and Astrophysics. This ROSES NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, stratospheric balloon, suborbital rocket, and commercial reusable rocket investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that

support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs; and development of applied information systems applicable to SMD objectives and data. Awards range from under \$100K per year for focused, limited efforts (e.g., data analysis) to more than \$1M per year for extensive activities (e.g., development of science experiment hardware). The funds available for awards in each program element offered in this ROSES NRA range from less than one to several million dollars, which allow selection from a few to as many as several dozen proposals depending on the program objectives and the submission of proposals of merit. Awards will be made as grants, cooperative agreements, contracts, and inter- or intraagency transfers depending on the nature of the proposing organization and/or program requirements. The typical period of performance for an award is four years, although a few programs may specify shorter or longer (maximum of five years) periods. Organizations of every type, domestic and foreign, Government and private, for profit and not-for-profit, may submit proposals without restriction on the number or teaming arrangements. Note that it is NASA policy that all investigations involving non-U.S. organizations will be conducted on the basis of no exchange of funds. Proposal due dates are scheduled starting on May 4, 2013, and continue through March 22, 2013. Electronically submitted Notices of Intent to propose are requested for most program elements, with the first such due date being March 16, 2013. Electronic submission of proposals is required by the respective due dates for each program element and must be submitted by an authorized official of the proposing organization. Electronic proposals may be submitted via the NASA proposal data system NSPIRES or via Grants.gov. Every organization that intends to submit a proposal in response to this ROSES NRA must be registered with NSPIRES; organizations that intend to submit proposals via Grants.gov must be registered with Grants.gov, in addition to being registered with NSPIRES. Such registration must identify the authorized organizational representative(s) who will submit the electronic proposal. All principal investigators and other participants (e.g., co-investigators) must be registered in NSPIRES regardless of submission system. Potential proposers and proposing organizations are urged to access the system(s) well in advance of the proposal due date(s) of interest to familiarize themselves with its structure and enter the requested information. Details of the solicited programs are given in the Appendices of this ROSES NRA. Proposal due dates are given

in Tables 2 and 3 of this ROSES NRA. Interested proposers should monitor <http://nspires.nasaprs.com/> or subscribe to the electronic notification system there for additional new programs or amendments to this ROSES NRA through February 2013, at which time release of a subsequent ROSES NRA is planned. A web archive (and RSS feed) for amendments, clarifications, and corrections to this ROSES NRA will be available at: <http://science.nasa.gov/researchers/sara/grant-solicitations/rozes-2013/> . Further information about specific program elements may be obtained from the individual Program Officers listed in the Summary of Key Information for each program element in the Appendices of this ROSES NRA, while questions concerning general ROSES NRA policies and procedures may be directed to Max Bernstein, Lead for Research, Science Mission Directorate, NASA Headquarters, Washington, DC 20546-0001; E-mail: sara@nasa.gov; Telephone: 202-358-0879.

Link to Additional Information: [Click on the following link to see the full text of the announcement for this funding opportunity](#)

20131203-PF
Sustaining Cultural Heritage Collections
National Endowment for the Humanities

Closing Date for Applications: Dec 3, 2013

Award Ceiling: \$350,000

Eligible Applicants: Private institutions of higher education
County governments
State governments
Special district governments
Native American tribal governments (Federally recognized)
Public and State controlled institutions of higher education
Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
City or township governments
Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education

Agency Name: National Endowment for the Humanities

Description: Sustaining Cultural Heritage Collections (SCHC) helps cultural institutions meet the complex challenge of preserving large and diverse holdings of humanities materials for future generations by supporting preventive conservation measures that mitigate deterioration and prolong the useful life of collections. Libraries, archives, museums, and historical organizations across the country are responsible for collections of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art, and historical objects that facilitate research, strengthen teaching, and provide opportunities for life-long learning in the humanities. To preserve and ensure continued access to such collections, institutions must implement preventive conservation measures, which encompass managing relative humidity, temperature, light, and pollutants in collection spaces; providing protective storage enclosures and systems for collections; and safeguarding collections from theft and from natural and man-made disasters. As museums, libraries, archives, and other collecting institutions strive to be effective stewards of humanities collections, they must find ways to implement preventive conservation measures that are scientifically sound and sustainable. This program therefore helps cultural repositories plan and implement preservation strategies that pragmatically balance effectiveness, cost, and environmental impact. Such a balance can contribute to an institution's financial health, reduce its use of fossil fuels, and

benefit its green initiatives, while ensuring that significant collections are well cared for and available for use in humanities programming, education, and research.

Link to Additional Information: <http://www.grants.gov/applicants/download-application-package.html?oppId=184133>