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Division of Research, Florida International University

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FIU research highlighted at eMerge conference

June 2014 Issue

By Robyn Nissim

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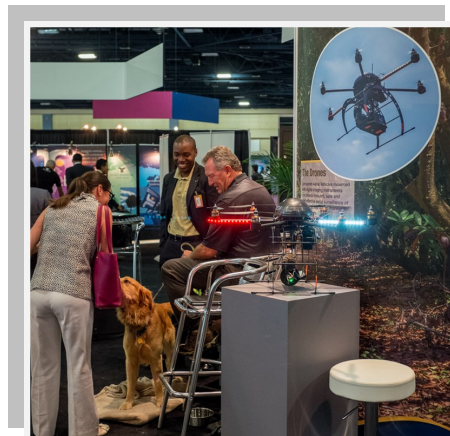
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Dogs and drones, miniature versions of the Medina Aquarius Reef Base and the Wall of Wind, and a giant bottle of fermenting yeast were among the FIU research projects displayed at the inaugural eMerge Americas Techweek conference in early May. Most visitors to the FIU exhibit had the same reaction: “I had no idea FIU was doing all of this,” said James Hawkins, founder and CEO of JockSpin.



The conference gave attendees a sense of the breadth and depth of FIU research, said Andrés Gil, vice president for the university’s Division of Research. “We showed some of our research to the community but in addition, we also introduced our FIU research community to the public,” Gil said. The opportunity to make new connections was a huge draw for FIU researchers and students, who often spend their days in the lab, immersed in their work.

Mercedes Cabrerizo, who works in engineering professor Malek Adjouadi’s lab on brain mapping, said their work attracted a great amount of interest from potential patients and peers, including fellow exhibitors. “One woman was deeply affected when she saw our display,” said



Cabrerizo. “She has a niece in eighth grade who has epilepsy. She wanted to learn more. We had another woman from Argentina who asked to visit our lab. She uses this equipment but for something different than we do.” Other visitors came offering office space and seeking out potential collaborations. Gil noted that all of the research displayed at eMerge had “real-life” and interdisciplinary applications. The exhibit’s location, visuals and demonstrations made it one of the most popular spaces at the event.



And FIU was everywhere else at eMerge as well. From President Mark B. Rosenberg’s co-hosting of a discussion on the use of innovation and tech in education reform to the university’s spectacular exhibit, the university’s presence at the conference was impossible to ignore.

“What gets me the most when I see FIU’s presence here is how far we’ve come since 2001, when I first began attending,” said Michael Rojas ’12. “It’s now the school of the future.”

But despite the focus on cutting edge technology, there was one low-tech FIU display that drew repeat visitors throughout the conference. Buddy, a pup currently in training for one of CAS Dean Kenneth Furton’s studies, was the star of eMerge, proving that nothing attracts more attention than babies and dogs.

Upcoming Events

June 2014

- **June 18, 9 to 10 am**, MARC Pavilion, a one-hour Phase 0 [SBIR](#) program, presented by Mr. Dave Kershaw Executive Director of the Miami-Dade Entrepreneurial Development Organization.
- **June 23, 8:30 am to 4 pm**, MARC Pavilion, full day [SBIR Phase I/STTR proposal writing](#) workshop presented by Jim Greenwood of the Greenwood Consulting Group.

Please note that the **above workshops are free** for FIU faculty and staff and require registration by the participants. To **register** contact Elizabeth.garami@fiu.edu

Awards Received—April 2014

Florida International University researchers were awarded \$12,339,202 in April 2014. Below is a summary:

PI: Irina Agoulnik

COM CELL BIOLOGY AND PHARM

Award Action Type: Initial

AWARDING SPONSOR: National Institutes of Health

TITLE: Regulation of metastases by tumor suppressor INPP4B

AWARD: \$ 418,144

PI: Marisela Agudelo

COM IMMUNOLOGY

Award Action Type: Increase

AWARDING SPONSOR: National Institutes of Health

TITLE: EtOH-induced Immunomodulation: Role of Histone Deacetylases and Cannabinoid Genes

AWARD: \$ 6,191

PI: Hesham A Ali

CIVIL AND ENVIRON ENGINEERING

Award Action Type: Initial

AWARDING SPONSOR: Florida Department of Transportation

TITLE: Long Term Aging of Asphalt Binders used with Reclaimed Asphalt Pavement

AWARD: \$ 100,000

PI: Priyanka Alluri

CIVIL AND ENVIRON ENGINEERING

Award Action Type: Initial

AWARDING SPONSOR: Advanced Transportation Engineering Cons

TITLE: Development and Implementation of Puerto Rico Strategic Highway Safety Plan

AWARD: \$ 82,427

PI: Joann Arnowitz

JEWISH MUSEUM OF FLORIDA-FIU

Award Action Type: Initial

AWARDING SPONSOR: City of Miami Beach

TITLE: Cultural Arts Council (CAC) - Support for Advertising 13-14

AWARD: \$ 24,147

PI: Eric Bishop-Von Wettberg

BIOLOGY

Award Action Type: Initial

AWARDING SPONSOR: University of California Davis

TITLE: A reverse-introgression and community genomics strategy to enrich and characterize legume germplasm for climate-resilience traits

AWARD: \$ 21,122

PI: Richard Bone

PHYSICS

Award Action Type: Initial

AWARDING SPONSOR: Industrial Organica S.A. de CV

TITLE: IOSA Bioavailability Study Phase III

AWARD: \$ 8,272

PI: Kevin Boswell

BIOLOGY

Award Action Type: Initial

AWARDING SPONSOR: Sitka Sound Science Center

TITLE: Recovering humpback whales and the future of Alaska's hatcheries, fisheries and coastal communities.

AWARD: \$ 14,283

PI: Kathryn Elizabeth Brogan

DIETETICS AND NUTRITION

Award Action Type: Continuation

AWARDING SPONSOR: Henry Ford Health System

TITLE: Encouraging Young Adults to Make Effective Nutrition Choices: MENU Gen Y

AWARD: \$ 7,650

PI: Yong Cai

ARC APPLIED RESEARCH CENTER

Award Action Type: Pre-Award

AWARDING SPONSOR: Office of Environmental Management

TITLE: Florida International University's Research Support to the Department of Energy's Office of Environmental Management: Sub Project 2-FIU'S Environment

AWARD: \$ 22,259

PI: Jason R Chandler

ARCHITECTURE

Award Action Type: Initial

AWARDING SPONSOR: FIU Foundation

TITLE: Miami Urban Neighborhood Building Studio

AWARD: \$ 29,100

PI: Shu-Ching Chen

COMPUTER INFO SCIENCES

Award Action Type: Increase

AWARDING SPONSOR: Purdue University

TITLE: A Data Mining Framework for Enhancing Emergency Response Situation Reports with Multi-Agency, Multi-Partner, Multimedia Data

AWARD: \$ 45,000

PI: Jessy Devieux

HEALTH PROMO AND DISEASE PREV

Award Action Type: Continuation

AWARDING SPONSOR: Brigham and Women's Hospital

TITLE: Same-Day HIV Testing and Treatment Initiation to Improve Retention in Care

AWARD: \$ 52,953

PI: Maria C Donoso

EARTH AND ENVIRONMENT

Award Action Type: Increase

AWARDING SPONSOR: US Agency for International Development

TITLE: West Africa Water Supply: West Africa Water Supply-Ghana

AWARD: \$1,493,175

PI: Maria C Donoso

EARTH AND ENVIRONMENT

Award Action Type: Increase

AWARDING SPONSOR: US Agency for International Development
TITLE: West Africa Water Supply: West Africa Water Supply-BF **AWARD:** \$2,395,169

PI: Maria C Donoso
EARTH AND ENVIRONMENT
Award Action Type: Increase
AWARDING SPONSOR: US Agency for International Development
TITLE: West Africa Water Supply: West Africa Water Supply-Niger **AWARD:** \$ 906,751

PI: Joyce J Elam
PROVOST AND EXEC VP ACAD AFF
Award Action Type: Initial
AWARDING SPONSOR: University of West Florida
TITLE: Complete Florida **AWARD:** \$ 100,000

PI: Bilal El-zahab
MECHANICAL AND MAT ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: CIMIT Center for Integration of Medicine
TITLE: Blood Lipid Profiling in an Acoustic-Driven Portable Lab-On-Chip Device **AWARD:** \$ 10,000

PI: Sheldon D Fields
NURSING AND HLTH SCI DEANS OFF
Award Action Type: Supplemental
AWARDING SPONSOR: FHI 360
TITLE: HIV Prevention Trials Network Leadership **AWARD:** \$ 12,775

PI: James Fourqurean
BIOLOGY
Award Action Type: Increase
AWARDING SPONSOR: University of Miami
TITLE: Aquarius Reef Base **AWARD:** \$ 185,732

PI: James Fourqurean
BIOLOGY
Award Action Type: Initial
AWARDING SPONSOR: Ocean Reef Community Foundation
TITLE: Family Science Nights **AWARD:** \$ 2,000

PI: Cheng-Tin Gan
CIVIL AND ENVIRON ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Transportation
TITLE: Updating and Improving Methodology for Prioritizing Highway Projects on the Strategic Intermodal System (SIS) **AWARD:** \$ 150,000

PI: Cheng-Tin Gan
CIVIL AND ENVIRON ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Transportation
TITLE: ITS Research, Computer, and Miscellaneous Support (WO 462-03) **AWARD:** \$ 75,000

PI: Raul Gonzalez Jr
CENTER FOR CHILDREN AND FAM
Award Action Type: Continuation
AWARDING SPONSOR: National Institutes of Health
TITLE: Decision-Making and Episodic Memory in Trajectories to Cannabis Addiction **AWARD:** \$ 466,610

PI: Myles Cameron Hodgson
COM CELL BIOLOGY AND PHARM
Award Action Type: Initial
AWARDING SPONSOR: U.S. Department of Defense
TITLE: Homeodomain Interacting Protein Kinases Modulate Hypoxic Adaptation and Chemoresistance **AWARD:** \$ 108,750

PI: Xia Jin
CIVIL AND ENVIRON ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Transportation
TITLE: Examining the Value of Travel Time Reliability for Freight Transportation to Support Freight Planning and Decision-Making **AWARD:** \$ 150,000

PI: Xia Jin
CIVIL AND ENVIRON ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Transportation
TITLE: A Synthesis of the "State-of-the-Practice for Advancing Planning and Operations Integration Opportunities within Transportation Agencies" **AWARD:** \$ 40,000

PI: Ranu Jung
BIOMEDICAL ENGINEERING
Award Action Type: Increase
AWARDING SPONSOR: FIU Foundation
TITLE: Cardiovascular Engineering Center Fund **AWARD:** \$ 10,000

PI: Ranu Jung
BIOMEDICAL ENGINEERING
Award Action Type: Increase
AWARDING SPONSOR: FIU Foundation
TITLE: The Biomedical Engineering Lecture Series Endowment **AWARD:** \$ 10,000

PI: Ranu Jung
BIOMEDICAL ENGINEERING
Award Action Type: Increase
AWARDING SPONSOR: FIU Foundation
TITLE: Biomedical Engineering Excellence Scholarship Fund **AWARD:** \$ 12,500

PI: Leonel Lagos
ARC APPLIED RESEARCH CENTER
Award Action Type: Pre-Award
AWARDING SPONSOR: Office of Environmental Management
TITLE: FIU's Research Support to the Department of Energy's Office of Environmental Management: FIU'S Environmental Research **AWARD:** \$ 83,107

PI: Leonel Lagos
ARC APPLIED RESEARCH CENTER
Award Action Type: Pre-Award
AWARDING SPONSOR: Office of Environmental Management
TITLE: FIU's Research Support to the Department of Energy's Office of Environmental Management: Sub Project 1-FIU'S Environmen **AWARD:** \$ 60,086

PI: Leonel Lagos
ARC APPLIED RESEARCH CENTER
Award Action Type: Pre-Award
AWARDING SPONSOR: Office of Environmental Management
TITLE: FIU's Research Support to the Department of Energy's Office of Environmental Management: FIU'S Environmental Research **AWARD:** \$ 26,298

PI: Leonel Lagos
ARC APPLIED RESEARCH CENTER
Award Action Type: Pre-Award
AWARDING SPONSOR: Office of Environmental Management
TITLE: FIU's Research Support to the Department of Energy's Office of Environmental Management: Sub Project 3- Remediation **AWARD:** \$ 40,784

PI: Leonel Lagos
ARC APPLIED RESEARCH CENTER
Award Action Type: Pre-Award
AWARDING SPONSOR: Office of Environmental Management
TITLE: FIU's Research Support to the Department of Energy's Office of Environmental Management: Subproject -Waste and D&D Eng **AWARD:** \$ 67,467

PI: Angela Marie Richmond Laird
PHYSICS
Award Action Type: Initial
AWARDING SPONSOR: Georgia State University
TITLE: BrainMap Tracker: Automated Annotation of Brain Mapping Experiments **AWARD:** \$ 143,109

PI: Valentina Bruk Lee
PSYCHOLOGY
Award Action Type: Increase
AWARDING SPONSOR: University of South Florida
TITLE: Examining the impact of resilience on work stress and strains in nurses **AWARD:** \$ 4,421

PI: Wei-Chiang Lin
BIOMEDICAL ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: Miami Children's Hospital
TITLE: Multimodal Neuromonitoring and Neuroprotection in Critically Ill Children **AWARD:** \$ 12,609

PI: Purnima Madhivanan
EPIDEMIOLOGY
Award Action Type: Increase
AWARDING SPONSOR: Merck & Co. Inc. MSD Phamaceuticals Priv
TITLE: Survey of predictors of HPV vaccination among parents of rural adolescent girls in Mysore Taluk, Mysore District, India **AWARD:** \$ 38,966

PI: Lindsay Malloy
CENTER FOR CHILDREN AND FAM
Award Action Type: Initial
AWARDING SPONSOR: Child Health and Human Development
TITLE: Episodic memory and suggestibility in children with ADHD **AWARD:** \$ 69,773

PI: H Virginia McCoy
HEALTH PROMO AND DISEASE PREV
Award Action Type: Pre-Award
AWARDING SPONSOR: University of Puerto Rico
TITLE: Florida Puerto Rico Public Health Research **AWARD:** \$ 29,015

PI: Norman D Munroe
OSAS ENGINEERING AND COMPUTING
Award Action Type: Increase
AWARDING SPONSOR: National Action Council for Minorities
TITLE: NACME Initiative at Florida International University **AWARD:** \$ 5,000

PI: Madhavan P Nair
COM IMMUNOLOGY
Award Action Type: Increase
AWARDING SPONSOR: National Institutes of Health
TITLE: Novel Magneto-Electric Nanodelivery of Drugs to Eradicate HIV from CNS **AWARD:** \$ 206,250

PI: Fernando Noriega
BIOLOGY
Award Action Type: Increase
AWARDING SPONSOR: Allergy and Infectious Diseases
TITLE: Regulation of Juvenile Hormone Titers in Mosquitoes **AWARD:** \$ 438,877

PI: Richard Olson
EXTREME EVENTS RESEARCH CENTER
Award Action Type: Increase
AWARDING SPONSOR: US Agency for International Development
TITLE: Disaster Risk Reduction in the Americas – 2nd Phase: Building Resilience **AWARD:** \$1,902,836

PI: Jeremy W Pettit
CENTER FOR CHILDREN AND FAM
Award Action Type: Continuation
AWARDING SPONSOR: National Institutes of Health
TITLE: Attention Bias Modification Training in Child Anxiety CBT Non-responders **AWARD:** \$ 208,482

PI: Joerg Reinhold
PHYSICS
Award Action Type: Continuation
AWARDING SPONSOR: Office of Science
TITLE: Nuclear Physics Research at Jefferson Lab **AWARD:** \$ 475,000

PI: Leonard Scinto
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: National Park Service
TITLE: Provide office services and operational technical support to the South Florida Ecosystem Restoration Task Force, Office of the Executive Director **AWARD:** \$ 550,348

PI: Matthew T Sutherland

PHYSICS

Award Action Type: Initial

AWARDING SPONSOR: National Institutes of Health

TITLE: Impact of HIV and cannabis on brain function: Regions, networks, and the connectome

AWARD: \$ 164,503

PI: Mary Jo Trepka

EPIDEMIOLOGY

Award Action Type: Continuation

AWARDING SPONSOR: Minority Health and Health Disparities

TITLE: Retrospective cohort study of racial disparities in HIV survival, Florida

AWARD: \$ 251,213

PI: Yukching Tse Dinh

CHEMISTRY

Award Action Type: Increase

AWARDING SPONSOR: National Institutes of Health

TITLE: Control of DNA Topology

AWARD: \$ 22,399

PI: James G Waxmonsky

PSYCHIATRY AND BEHAVIOR HLTH

Award Action Type: Continuation

AWARDING SPONSOR: National Institute of Mental Health

TITLE: A Novel Approach to Stimulant-Induced Weight Suppression and its Impact on Growth

AWARD: \$ 563,042

PI: Alan Lee Wells

COM HUMANITIES HLTH AND SOC

Award Action Type: Initial

AWARDING SPONSOR: Susan G. Komen Breast Cancer Foundation

TITLE: The miami breast initiative: expanding screening to vulnerable women in our community

AWARD: \$ 3,000

PI: Yuying Zhang

BIOLOGY

Award Action Type: Initial

AWARDING SPONSOR: University of Florida

TITLE: Developing a size-structured stock assessment model for the spiny lobster, *Panulirus argus*, in the southeast United States

AWARD: \$ 12,609

Limited Submission Funding Opportunities

Below is a limited submission funding opportunity with an internal deadline for the months of June and July 2014.

Agency	Program	Institutional Submission Limits	Internal Deadline	Agency Deadline
NIH	Developing and Improving Institutional Animal Resources (G20) (PAR-13-219)	Only one application per institution	6/02/2014	8/01/2014
NSF	NSF Scholarships in S-STEM (NSF 12-529)	One proposal from each constituent school or college that awards degrees in an eligible field.	6/12/2014	8/12/2014
NIH	Bridges to the Doctorate (R25) (PAR-13-341)	Only one application per institution	7/24/2014	9/25/2014

Agency	Program	Institutional Submission Limits	Internal Deadline	Agency Deadline
NIH	Institutional Research and Academic Career Development Awards (IRACDA) (K12) (PAR-13-290)	Only one application per institution	7/24/2014	9/24/2014
NIH	Centers of Excellence for Research on CAM (P01) (PAR-12-151)	Only one application per institution	7/25/2014	9/25/2014
NSF	EarthScope National Office (ESNO) (NSF 14-553)	Limit one application per institution	07/26/2014	09/26/2014

Please visit our website at: <http://research.fiu.edu/funding/pages/limited-submissions.html> to review our monthly limited submissions or for further instructions on how to prepare and/or submit your limited submission application.

Funding Opportunities

Department of Agriculture

Agriculture and Food Research Initiative - Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Species

Funding Opportunity Number: PAR-13-204

Letter of Intent Due Date: August 24, 2014

Due Date (Closing): September 24, 2014

Description: This interagency program is issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Heart, Lung, and Blood Institute (NHLBI), and USDA National Institute of Food and Agriculture (NIFA) is to invite the submission of grant proposals that utilize agriculturally important domestic species to improve human health and animal agriculture through the advancement of basic and translational research deemed highly relevant to both agricultural and biomedical research. This initiative is designed to facilitate and encourage comparative medicine research studies through the careful selection and refinement of farm animal models that mimic human developmental, physiological, and etiological processes to better understand disease origins and improve assisted reproduction efficiencies. The anticipated outcomes include both the elucidation of fundamental information relevant for the improvement of human health and an increase in food animal production and improvement in animal health and product quality.

<http://www.csrees.usda.gov/fo/dualpurposewithdualbenefitresearchinbiomedicineandagricultureusingagriculturallyimportantdomesticspecies.cfm>

Agriculture and Food Research Initiative - Foundational Program: Critical Agricultural Research and Extension (CARE)

Funding Opportunity Number: USDA-NIFA-AFRI-004412

Letter of Intent Due Date: June 4, 2014

Due Date (Closing): August 7, 2014

Description: Despite prior investments in basic and applied research, critical problems continue to impede the efficient production and protection of agriculturally-important plants and animals. These problems may be local, regional, or national, and may call for work focused on one or more scientific disciplines. However, all need immediate attention to meet producer needs. Finding and implementing solutions to these critical problems require partnership and close coordination among researchers, extension experts, and producers. Funded projects will quickly yield solutions or practices that can be rapidly implemented by producers.

<http://www.csrees.usda.gov/fo/fpcriticalagriculturalresearchandextensioncareafri.cfm>

Integrated Research, Education, and Extension Competitive Grants Program - National Integrated Water Quality Program (NIWQP)

Funding Opportunity Number: USDA-NIFA-ICGP-004527

Due Date (Closing): July 3, 2014

Description: The goal of the National Integrated Water Quality Program (NIWQP) is to contribute to the

improvement of the quality of surface water and groundwater resources through research, education, and extension activities. Projects funded through this program will work to solve water resource problems by advancing and disseminating the knowledge base available to agricultural, rural, and urbanizing communities. Funded projects should lead to science-based decision making and management practices that improve the quality of the Nations surface water and groundwater resources in agricultural, rural, and urbanizing watersheds. See RFA for priority areas. <http://www.csrees.usda.gov/fo/waterquality.cfm>

Department of Defense

DoD Peer Reviewed Orthopaedic Outcomes Research Award

Funding Opportunity Number: W81XWH-14-PRORP-ORA

Application Deadline: October 24, 2014

Description: The PRORP Outcomes Research Award is being offered for the first time in FY14. It is intended to support research that evaluates the effectiveness and functional outcomes of health care practices and interventions for traumatic military or Veteran amputee and/or limb salvage patients with the potential to impact the standard of care and contribute to evidence-based policy or guidelines for patient evaluation and care. The goal is to better understand the experiences, health, functional abilities, and quality of life of individuals who receive treatment for combat-related orthopaedic injuries, and thereby identify the most effective diagnosis, treatment, rehabilitation, and prevention options available to support critical decision-making for patients, clinicians, other caregivers, and policymakers. Proposed projects should be designed to provide information about the impact, advantages, disadvantages, and risks of specific health care practices and interventions. Studies are sought that: compare different standard of care approaches; include patient-centric outcome assessments; have the potential to provide new knowledge, new clinical practice guidelines, and/or new prescription algorithms that can be disseminated to care providers and patients; and/or; provide information on patient quality of life, reintegration, and/or return to duty. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Medical Discovery Award

Funding Opportunity Number: W81XWH-14-PRMRP-DA

Application Deadline: July 30, 2014

Description: The intent of the PRMRP Discovery Award is to support innovative, untested, high-risk/ potentially high-reward research that will provide new insights, paradigms, technologies, or applications. Studies supported by this award are expected to lay the groundwork for future avenues of scientific investigation. The proposed research project should include a well-formulated, testable hypothesis based on a sound scientific rationale and study design. The proposed research project should be novel and innovative. Innovative research may introduce a new paradigm, challenge existing paradigms, look at existing problems from new perspectives, or exhibit other highly creative qualities. Research that is an incremental advance upon published data is not considered innovative and is not consistent with the intent of this award mechanism. Inclusion of preliminary data is strongly discouraged. The outcome of research supported by this award should be the generation of robust preliminary data that can be used as a foundation for future research projects to understand the mechanisms of initiation or progression and/or improving patient care for a disease or condition. The Discovery Award is not intended to support a logical progression of an already established research project or other types of ongoing work; therefore, inclusion of preliminary data other than serendipitous findings or in small amounts is not consistent with the exploratory nature of this award. The presentation of substantial preliminary data suggests that the proposed research project would be more appropriately submitted to a different award mechanism. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Medical Focused Program Award

Funding Opportunity Number: W81XWH-14-PRMRP-FPA

Application Deadline: November 13, 2014

Description: The PRMRP Focused Program Award is being offered for the first time in FY14. The intent of the Focused Program Award is to optimize research and accelerate the solution for a critical question related to a designated FY14 PRMRP Focused Program Award Topic Area through a synergistic, multidisciplinary research program. See Program Announcement for Topic Areas. Overarching Goal: Focused Program Award applications must describe a unifying, overarching goal or question that will be addressed by a set of research projects. The overarching goal must be relevant to a critical problem or question in the field of research and/or patient care in at

least one of the FY14 PRMRP Focused Program Award Topic Areas. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Medical Technology/Therapeutic Development Award

Funding Opportunity Number: W81XWH-14-PRMRP-TTDA

Application Deadline: October 17, 2014

Description: The PRMRP technology/therapeutic development award is a product-driven award intended to provide support for the translation of promising preclinical findings into products for clinical applications, including prevention, detection, diagnosis, patient care, and/or quality of life, in at least one of the congressionally directed FY14 PRMRP topic areas. See program announcement for topic areas. Products in development should be responsive to the health care needs of military service members, veterans, and/or beneficiaries. The product(s) to be developed may be pharmacologic agents (drugs or biologics), devices, and/or clinical guidance for standard of care. The principal investigator (PI) must provide a transition plan (including potential funding and resources) showing how the product will progress to the next level of development (e.g., clinical trials, delivery to the military or civilian market) after the completion of the PRMRP award. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Medical Investigator-Initiated Research Award

Funding Opportunity Number: W81XWH-14-PRMRP-IIRA

Application Deadline: October 17, 2014

Description: The PRMRP Investigator-Initiated Research Award is intended to support studies that will make an important contribution toward research and/or patient care for a disease or condition related to at least one of the Congressionally directed FY14 PRMRP Topic Areas. See Program Announcement for topic areas. The rationale for a research idea may be derived from a laboratory discovery, population-based studies, a clinician's first-hand knowledge of patients, or anecdotal data. Applications must include relevant data that support the rationale for the proposed study. These data may be unpublished or from the published literature. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Orthopaedic Idea Development Award

Funding Opportunity Number: W81XWH-14-PRORP-IDA

Application Deadline: October 24, 2014

Description: The PRORP Idea Development Award is designed to promote new ideas that are still in the early stages of development and have the potential to yield highly impactful data and new avenues of investigation. This mechanism supports conceptually innovative, high-risk/high-reward research that could lead to critical discoveries or major advancements that will accelerate progress in the clinical care of combat-related orthopaedic injuries. Applications should include a well-formulated, testable hypothesis based on strong scientific rationale. Innovation and military benefit are the most important aspects of the Idea Development Award. Applications that demonstrate exceptional scientific merit but lack innovation and high potential military relevance do not meet the intent of the Idea Development Award. Presentation of preliminary data is not consistent with the intent of the Idea Development Award mechanism. While the inclusion of preliminary data is not prohibited, the strength of the application should not rely on preliminary data, but on the innovative idea and the potential for impact on wounded Warfighters. Applications are being solicited in the following focus areas: Identify and reduce the secondary health effects (e.g., joint contracture, obesity, metabolic syndrome, poor bone health) that follow reduced mobility from traumatic neuromusculoskeletal injury; Strategies to inhibit neuromas at surgical/amputation sites; The application of novel and/or innovative technologies and materials in prosthetic and orthotic device development; Research toward osseointegration of upper extremity prostheses; Research on treatment of non-battle orthopaedic injuries that impact unit readiness and reflect historical return to work rates less than 50% or longer than 6 months. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Orthopaedic Clinical Trial Development Award

Funding Opportunity Number: W81XWH-14-PRORP-CTDA

Application Deadline: October 24, 2014

Description: The PRORP CTDA is intended to support the planning and development activities necessary to support preparation for clinical trials with the potential to have a significant impact on Warfighters and Veterans

recovering from traumatic orthopaedic injuries. The clinical trials proposed may be focused on any aspect of treatment of orthopaedic injuries that addresses at least one of the FY14 PRORP CTDA Focus Areas, including the evaluation of promising new products, pharmacologic agents (drugs or biologics), devices, clinical guidance, and/or emerging approaches and technologies. All applications are required to justify the relevance of the proposed project to military and/or Veteran populations affected by combat-related orthopaedic injury. Applicants addressing non-battle orthopaedic injuries must articulate how the trial has the potential to impact unit readiness and return-to-duty/work rates. Collaboration with military or VA researchers and clinicians, and inclusion of active duty military or Veteran participants as all or a portion of the future study population, is highly encouraged. Applications are being solicited in the following focus areas: Identify and reduce the secondary health effects (e.g., joint contracture, obesity, metabolic syndrome, poor bone health) that follow reduced mobility from traumatic neuromusculoskeletal injury; Strategies to inhibit neuromas at surgical/amputation sites; The application of novel and/or innovative technologies and materials in prosthetic and orthotic device development; Research toward osseointegration of upper extremity prostheses; Research on treatment of non-battle orthopaedic injuries that impact unit readiness and reflect historical return to work rates less than 50% or longer than 6 months; Physical or occupational therapy (PT/OT) interventions to establish optimal rehabilitation and examine the comparative effectiveness of different PT/OT regimes; Clinical trials to restore function after volumetric muscle loss. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Orthopaedic Translational Research Award

Funding Opportunity Number: W81XWH-14-PRORP-TRA

Application Deadline: October 24, 2014

Description: The PRORP Translational Research Award is designed to support multidisciplinary translational research that will accelerate the movement of promising ideas in orthopaedic research into clinical applications to benefit Warfighters and Veterans recovering from traumatic orthopaedic injuries. To encourage meaningful and productive multidisciplinary collaborations, there must be at least one laboratory scientist and at least one clinician participating in the research. A clinician is defined as an individual who is credentialed (possesses the necessary degrees, licenses, and other certifications) and practicing as a care provider in a relevant capacity. In addition, at least one member of the research team must have significant experience in either orthopaedic or musculoskeletal research or medicine. Biographical sketches should include appropriate documentation of credentials. It is the responsibility of the Principal Investigator (PI) and the collaborating investigators to describe how their combined expertise will better address the research question, why the work should be performed through collaboration rather than through separate efforts, and how the research design will create a reciprocal flow of ideas and information between the multiple disciplines represented. The proposed collaboration should involve substantial contributions from each of the key collaborators identified, with evidence of significant intellectual input from each key collaborator into the design of the project. Applications are being solicited in the following focus areas: Identify and reduce the secondary health effects (e.g., joint contracture, obesity, metabolic syndrome, poor bone health) that follow reduced mobility from traumatic neuromusculoskeletal injury; Strategies to inhibit neuromas at surgical/amputation sites; The application of novel and/or innovative technologies and materials in prosthetic and orthotic device development; Research toward osseointegration of upper extremity prostheses; Research on treatment of non-battle orthopaedic injuries that impact unit readiness and reflect historical return to work rates less than 50% or longer than 6 months. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Orthopaedic Clinical Trial Award

Funding Opportunity Number: W81XWH-14-PRORP-CTA

Application Deadline: October 24, 2014

Description: The PRORP Clinical Trial Award is intended to support the rapid implementation of clinical trials with the potential to have a significant impact on military combat-related orthopaedic injuries, or non-battle injuries that significantly impact unit readiness and return-to-duty/work rates. The clinical trials may be designed to evaluate promising new products, pharmacologic agents (drugs or biologics), devices, clinical guidance, and/or emerging approaches and technologies. All applications are required to articulate the relevance of the proposed project to military and/or Veteran populations affected by orthopaedic injury. Collaboration with military researchers and clinicians is encouraged, and studies that include active duty military or Veteran participants as all or a portion of the study population will be given higher priority for funding during programmatic review.

Applications are being solicited in the following focus areas: Identify and reduce the secondary health effects (e.g., joint contracture, obesity, metabolic syndrome, poor bone health) that follow reduced mobility from traumatic neuromusculoskeletal injury; Strategies to inhibit neuromas at surgical/amputation sites; The application of novel and/or innovative technologies and materials in prosthetic and orthotic device development; Research toward osseointegration of upper extremity prostheses; Research on treatment of non-battle orthopaedic injuries that impact unit readiness and reflect historical return to work rates less than 50% or longer than 6 months; Physical or occupational therapy (PT/OT) interventions to establish optimal rehabilitation and examine the comparative effectiveness of different PT/OT regimes; Clinical trials to restore function after volumetric muscle loss.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Peer Reviewed Medical Clinical Trial Award

Funding Opportunity Number: W81XWH-14-PRMRP-CTA

Application Deadline: October 17, 2014

Description: The PRMRP Clinical Trial Award supports the rapid implementation of clinical trials with the potential to have a significant impact on a disease or condition addressed in at least one of the Congressionally directed FY14 PRMRP Topic Areas. See Program Announcement for Topic Areas. Clinical trials may be designed to evaluate promising new products, pharmacologic agents (drugs or biologics), devices, clinical guidance, and/or emerging approaches and technologies. Proposed projects may range from small proof-of-concept trials to demonstrate feasibility or inform the design of more advanced trials (e.g., pilot, first in human, Phase 0), through large-scale trials to determine efficacy in relevant patient populations. All studies must be responsive to the health care needs of the military service members, Veterans, and/or beneficiaries; however, the use of military or Veteran populations is not required. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Biological Technologies

Funding Opportunity Number: DARPA-BAA-14-38

Application Deadline: April 30, 2015

Description: The Defense Advanced Research Projects Agency (DARPA) is soliciting innovative research proposals of interest to the Biological Technologies Office (BTO). Proposed research should investigate leading edge approaches that enable revolutionary advances in science, technologies, or systems at the intersection of biology with engineering and the physical and computer sciences. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of the art. BTO seeks unconventional approaches that are outside the mainstream, challenge assumptions, and have the potential to radically change established practice, lead to extraordinary outcomes, and create entirely new fields. BTO is seeking novel approaches that will build technical communities that tap into sources of innovation both inside and outside traditional DoD performer communities. BTO encourages efforts that are creative and agile both in terms of the technologies proposed and in the structure of the approach. BTO is interested in submissions related to the following areas: Developing radical new techniques and technologies to optimally restore and maintain the health and abilities of military service members; Discovering and leveraging novel insights from neuroscience, psychology, cognitive science and related disciplines to advance treatment and resilience in neurological health and optimize human aptitude and performance; Understanding and improving interfaces between humans and the physical and biological world to enable optimal performance in complex environments; Developing and leveraging a fundamental understanding of the underlying design rules that govern biological system behavior; Developing new tools and techniques for forward engineering of biological systems (cells, tissues, organs, and organisms) to both develop new products and functional systems as well as to gain new insights into underlying mechanisms; Leveraging new computational techniques from computer science, big data, and biology to enable investigation and generation of knowledge from biological data at scale; Developing and validating new theories and computational models that identify factors and explain principles underlying collective and interactive behaviors of biological organisms at all scales from individual cells to the warfighter to global ecosystems; Understanding where there are inflection points in population and ecosystem behavior in order to preserve equilibrium, provide strategic opportunity, or avoid catastrophe; Developing and leveraging new insights into non-human biology across and between populations of microbes, plants, marine life, and other non-human biologic entities; Understanding how social, environmental, and biological factors converge to generate violence and conflict or lead to deterrence and influence; Radical new approaches towards countermeasure development for biological, chemical and/or radiological threats; Other biological technology topic areas which fit

the scope of BTO's mission. See attached DARPA-BAA-14-38.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Centers of Excellence: Autonomy, Cyber Security, and Research Data Analysis at Historically Black Colleges and Universities and Other Minority-Serving Institutions of Higher Education

Funding Opportunity Number: BAA-RIK-2014-0008

Application Deadline: July 22, 2014

Description: DoD announces its intent to establish Centers of Excellence (hereafter, "Center" or "Centers," depending on the context) at HBCUs/MIs (see Section III.1, Eligibility Information – Eligible Applicants, for a definition) in each of the following areas of importance to the DoD mission and support of the warfighter: autonomy, cyber security, and research data analysis hereafter, "area(s) of research emphasis." Each Center will be funded for a 5-year period of performance. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Cooperative Agreement for Research and Program Assistance at DoD Installations Supported by the Kansas City District

Funding Opportunity Number: NWK-14-0001

Application Deadline: June 13, 2014

Description: The US Army Corps of Engineers, Kansas City District intends to enter into a broad Cooperative Agreement with qualified Non-Profit Educational Institution (s) / Universities for a period of performance not to exceed (NTE) five (5) years, to collect, analyze, and apply environmental and cultural resource data; and implement land rehabilitation, environmental remediation support, and maintenance for optimal management of military lands under control of the Department of Defense DoD) in the Kansas City District.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Transport injured, ill, and orphaned wildlife from San Diego Bay to rehabilitation center

Funding Opportunity Number: N62473-14-2-0009

Application Deadline: June 12, 2014

Description: This new requirement addresses several efforts to collect data and transport injured wildlife to a licensed rehabilitation agencies/organization. Wildlife often inhabits areas on Navy property that are in close proximity to military training, facilities maintenance activities, hazardous material, and/or electrical currents. Birds nest in trees and on rooftops and fall near buildings. Herons and egrets with steatitis, a condition that weakens them, walk around grounds and enter buildings. Seabirds in adjacent waters become tangled in fishing line and take refuge on or under docks and near ships. When the proximity of wildlife to the aforementioned activities/materials produces a safety concern for the animal or military personnel or results in injury to an animal, action must often be taken to alleviate the situation. In order to support the military mission and allow continued training and operations, it is vital that the causes of injury and mortality of sensitive wildlife as they change over time be researched to allow the Navy to meet its monitoring and conservation obligations under a variety of natural resource requirements, including but not limited to the Migratory Bird Treaty Act and the Sikes Act, and identify appropriate proactive adaptive management practices. The purpose of this Cooperative Agreement (Agreement) is to provide research and identify causes of injury for wildlife at San Diego area installations, while simultaneously providing rescue and transportation of injured, ill and orphaned wildlife, excluding marine mammals, in compliance with applicable State and Federal Laws. Approximately 100-150 birds/animals are to be rescued, picked up and transported to licensed wildlife rehabilitation agencies/organizations.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Mexican Spotted Owl Surveys

Funding Opportunity Number: N62473-14-2-0007

Application Deadline: June 14, 2014

Description: In Arizona, the Mexican spotted owl (*Strix occidentalis lucida*) (MSO) is distributed widely in association with forest and steep canyon habitat (Ganey and Balda 1989, Willey 1998a). The owl was listed as a "threatened species" in 1993 by the U.S. Fish and Wildlife Service (USFWS) (United States Department of Interior (USDOI) 1995), and was placed on the Arizona Game and Fish Department's Identification, Inventory, Acquisition, Protection, and Management (IIPAM) list of sensitive species needing further study. The owl is

declining in core sections of its range in Arizona Seamans et al. 1999), and the decline may be associated with habitat loss and fragmentation (Franklin et al. 1990). The purpose of this Agreement is to conduct presence/absence protocol surveys for the MSO at and adjacent to the Naval Observatory Flagstaff Station (Station). Data will be provided in a written report summarizing all results. The initial surveys will occur in 2014 (Base Year) with future option periods to conduct surveys in 2015 and 2017. The purpose of this Agreement is to provide for MSO surveys at the Station. In order to accomplish this objective, the Cooperator shall conduct presence/absence surveys for MSOs at the MSO calling stations censused in 2006. The Cooperator shall follow the same survey methodology and calling routes as described in Johnson et al. (2007). All surveys will be designed and conducted in accordance with the current approved USFWS MSO protocol (USFWS 2003). The Cooperator shall document the age, sex, and activity (calling, foraging, roosting, etc.) of all MSOs or any other owl species detected during surveys. The Cooperator shall possess a current federal endangered species permit from the USFWS authorizing the Cooperator to conduct MSO surveys. Initial MSO surveys will occur in 2014 (Base Year) with future option periods to conduct surveys in 2015 and 2017.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

HBCU & MI ONLY

Funding Opportunity Number: CRNBAA14-003

Application Deadline: June 16, 2014

Description: The Department of Defense (DoD) announces the availability of the FY 2014 Broad Agency Announcement (BAA) CRANBAA14-002. The purpose of the funding under this Broad Agency Announcement (BAA) is receiving proposals for the development of novel solutions/concepts to the areas of interest listed below: a. In-situ and ex-situ Characterization of Dendrite Formation for Battery Improvement and Safety; b. Real-Time Virtual Environment (REVE) with Hardware-in-the-Loop for Adaptive RADAR Data Processing and Fusion Techniques The Government may make multiple awards. The amount of resources made available to this BAA will depend on the quality of the proposals received and the availability of funds. The BAA will contain additional information along with instructions for proposal preparation and submission. Proposals must be received through grants.gov no later than 15:00 Eastern Time on Monday, 16 June 2014. Number CRNBAA14-003

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

FY 2014 Broad Agency Announcement (BAA)

Funding Opportunity Number: CRNBAA14-002

Application Deadline: June 16, 2014

Description: The Department of Defense (DoD) announces the availability of the FY 2014 Broad Agency Announcement (BAA) CRANBAA14-002. The purpose of the funding under this Broad Agency Announcement (BAA) is receiving proposals for the development of novel solutions/concepts to the areas of interest listed below: a. Next Generation Technology Transfer System b. Advanced Ultra Short Pulsed Laser Sources & Concepts c. Pulsed Neutron Effects Research d. Intelligent Computing Algorithms and Applications to Electronic Maneuver Warfare e. Beam Stacking in Electron Synchrotrons The Government may make multiple awards. The amount of resources made available to this BAA will depend on the quality of the proposals received and the availability of funds. The BAA will contain additional information along with instructions for proposal preparation and submission. Proposals must be received through grants.gov no later than 15:00 Eastern Time on Monday, 16 June 2014. Number CRNBAA14-002

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Duchenne Muscular Dystrophy Therapeutic Idea Award

Funding Opportunity Number: W81XWH-14-DMDRP-TIA

Application Deadline: October 22, 2014

Description: The DMDRP Therapeutic Idea Award mechanism was first offered in FY12 and is being offered again in FY14. It is designed to promote new ideas that are still in the early stages of development with the potential to yield high-impact data and new avenues of investigation for novel therapeutics for DMD treatment. This award mechanism supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancement in DMD therapeutics. Research projects should include a well-formulated, testable hypothesis based on strong scientific rationale. Presentation of preliminary data is not consistent with the intent of the Therapeutic Idea Award mechanism. While the inclusion of preliminary data is not

prohibited, the strength of the application should not rely on preliminary data.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Duchenne Muscular Dystrophy Investigator-Initiated Research Award

Funding Opportunity Number: W81XWH-14-DMDRP-IIRA

Application Deadline: October 22, 2014

Description: The DMDRP Investigator-Initiated Research Award (IIRA) mechanism was first offered in FY11. Since then, 51 Investigator-Initiated Research Award applications have been received, and 10 have been recommended for funding. The DMDRP IIRA supports translational research that will accelerate the movement of promising ideas in DMD into clinical applications. Translational research may be defined as an integration of basic science and clinical observations with the specific goal of developing new therapies. While the ultimate goal of translational research is to move an observation forward into clinical application, translational research is most effective as a two-way continuum between the bench and the bedside. Within this continuum, the IIRA supports mid-stage or later translational research projects, including early-phase, proof-of-principle clinical trials and correlative studies to better inform the development of drugs, devices, and other interventions. Research projects may also include preclinical studies utilizing animal models, human subjects, or human anatomical substances. Studies proposed under this award should not include: target discovery, drug screening, mechanism of action studies, or hypothesis-driven pathophysiology studies.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

DoD Lung Cancer Concept Award

Funding Opportunity Number: W81XWH-14-LCRP-CA

Application Deadline: August 12, 2014

Description: The Concept Award supports the exploration of a highly innovative new concept or untested theory that addresses an important problem relevant to lung cancer. The Concept Award is not intended to support an incremental progression of an already established research project but, instead, allows Principal Investigators (PIs) the opportunity to pursue serendipitous observations. This award mechanism supports high-risk studies that have the potential to reveal entirely new avenues for investigation. Applications must describe how the new idea will enhance the existing knowledge of lung cancer or create an entirely new avenue for investigation. Submissions from and partnerships with investigators at Military Treatment Facilities (MTFs), military labs, the Department of Veterans Affairs (VA) Medical Centers and research laboratories are strongly encouraged. Research completed through a Concept Award may generate sufficient preliminary data to enable the PI to prepare an application for future research. Presentation of preliminary data is not consistent with the intent of the Concept Award mechanism and is discouraged. However, logical reasoning and a sound scientific rationale for the proposed research must be demonstrated. **Military Relevance:** The LCRP seeks to support research that is relevant to the health care needs of military service members, Veterans, their families, and other military beneficiaries. Military relevance will be considered in determining relevance to the mission of the DHP and FY14 LCRP during programmatic review. Investigators are strongly encouraged to consider the following characteristics as examples of how a project may demonstrate military relevance: • Use of military or Veteran populations or data in the proposed research • Collaboration with DoD or VA investigators • Involvement of military consultants (Army, Air Force) or specialty leaders (Navy, Marine Corps) to the Surgeons General in a relevant specialty area • Explanation of how the project addresses an aspect of lung cancer that has direct relevance to military service members, Veterans, or other military health system beneficiaries.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Department of Education

Office of Innovation and Improvement (OII): Full-Service Community Schools Program

Funding Opportunity Number: ED-GRANTS-050614-001

Deadline for Transmittal of Applications: June 20, 2014

Description: The Fund for the Improvement of Education (FIE) supports nationally significant programs to improve the quality of elementary and secondary education at the State and local levels and to help all children meet challenging academic content and academic achievement standards. The Full-Service Community Schools (FSCS) program, which is funded under FIE, encourages coordination of academic, social, and health services

through partnerships between (1) public elementary and secondary schools; (2) the schools' local educational agencies (LEAs); and (3) community-based organizations, nonprofit organizations, and other public or private entities. The purpose of this collaboration is to provide comprehensive academic, social, and health services for students, students' family members, and community members that will result in improved educational outcomes for children. For more information, visit www.grants.gov and search by opportunity number.

Office of Elementary and Secondary Education (OESE): School Climate Transformation Grant Program

Funding Opportunity Number: ED-GRANTS-050714-001 (SEA); ED-GRANTS-050714-002 (LEA)

Deadline for Transmittal of Applications: June 23, 2014

Description: The School Climate Transformation Grant Program--State Educational Agency Grants provides competitive grants to State educational agencies (SEAs) to develop, enhance, or expand statewide systems of support for, and technical assistance to, local educational agencies (LEAs) and schools implementing an evidence-based, multi-tiered behavioral framework for improving behavioral outcomes and learning conditions for all students. For more information, visit www.grants.gov and search by opportunity number.

State Educational Agency Grants—ED-GRANTS-050714-001—84.184F

Local Educational Agency Grants—ED-GRANTS-050714-002—84.184G

OSERS/OSEP: Educational Technology, Media, and Materials for Individuals with Disabilities: National Center on Accessible Educational Materials for Learning

Funding Opportunity Number: ED-GRANTS-050914-001

Deadline for Transmittal of Applications: June 23, 2014

Description: The purposes of the Educational Technology, Media, and Materials for Individuals with Disabilities Program are to improve results for children with disabilities by: (1) Promoting the development, demonstration, and use of technology; (2) supporting educational media activities designed to be of educational value in the classroom for students with disabilities; (3) providing support for captioning and video description that is appropriate for use in the classroom; and (4) providing accessible educational materials to students with disabilities in a timely manner. For more information, visit www.grants.gov and search by opportunity number.

Office of Postsecondary Education (OPE): Fulbright-Hays Group Projects Abroad Program: Short Term Projects

Funding Opportunity Number: ED-GRANTS-051914-001

Deadline for Transmittal of Applications: June 24, 2014

Description: The Fulbright-Hays Group Projects Abroad (Fulbright-Hays GPA) Program supports overseas projects in training, research, and curriculum development in modern foreign languages and area studies for groups of teachers, students, and faculty engaged in a common endeavor. Short-term projects may include seminars, curriculum development, or group research or study. For more information, visit www.grants.gov and search by opportunity number.

Office of Postsecondary Education (OPE): Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA) Fellowship Program

Funding Opportunity Number: ED-GRANTS-051914-002

Deadline for Transmittal of Applications: June 24, 2014

Description: The Fulbright-Hays DDRA Fellowship Program provides opportunities to doctoral candidates to engage in full-time dissertation research abroad in modern foreign languages and area studies. The program is designed to contribute to the development and improvement of the study of modern foreign languages and area studies in the United States. For more information, visit www.grants.gov and search by opportunity number.

Office of Elementary and Secondary Education (OESE): Jacob K. Javits Gifted and Talented Students Education Program

Funding Opportunity Number: ED-GRANTS-050114-001

Deadline for Transmittal of Applications: June 24, 2014

Description: The purpose of the Jacob K. Javits Gifted and Talented Students Education (Javits) program is to carry out a coordinated program of scientifically based research, demonstration projects, innovative strategies, and

similar activities designed to build and enhance the ability of elementary and secondary schools nationwide to meet the special educational needs of gifted and talented students. For more information, visit www.grants.gov and search by opportunity number.

Fund for the Improvement of Postsecondary Education (FIPSE)--First in the World Program (FITW)--Development

Funding Opportunity Number: ED-GRANTS-051614-001

Deadline for Transmittal of Applications: June 30, 2014

Description: The President has set a clear goal for the Nation's education system. By 2020 the United States will once again lead the world in the proportion of its citizens holding college degrees or other postsecondary credentials. To support this national effort the Department of Education has outlined a comprehensive education agenda that includes expanding quality and opportunity at all levels of education from early learning programs through higher education. The FITW Program is a key part of this agenda. For more information, visit www.grants.gov and search by opportunity number.

Institute of Education Sciences (IES): National Research Center for The Education of Gifted and Talented Children and Youth

Funding Opportunity Number: ED-GRANTS-043014-001

Deadline for Transmittal of Applications: July 22, 2014

Description: The purpose of the National Research Center for the Education of Gifted and Talented Children and Youth is to conduct research on improving academic outcomes for underserved students with high academic potential. These students (often low-income students, racial/ethnic minority students, English learners, students living in small towns or rural communities, and/or students with disabilities) are disproportionately underrepresented in programs for students with high academic potential in the United States. In its first two years, the Center will focus on studying the implementation of at least two or three academic programs established to serve these students and the ways in which students are identified, selected into, and participate in these academic programs. The Center will explore how these academic programs and their selection procedures relate to student academic outcomes (i.e., achievement in the core academic content areas). Also, in the second year, the Center will submit an impact evaluation plan to the Institute describing the programs and procedures to be evaluated from among those identified as promising during the Center's first two years, the evaluation designs to be used, and evidence of a willingness to collaborate in the evaluation by state and local education agencies. For more information, visit www.grants.gov and search by opportunity number.

Department of Justice

BJA FY 14 National Initiatives: NIJ FY 14 Online Flight Data and Incident Reporting System for Public Safety Use of Small Unmanned Aircraft Systems (sUAS)

Funding Opportunity Number: NIJ-2014-3793

Application Deadline: June 16, 2014

Description: With this solicitation, NIJ seeks applications for funding from interested parties to develop, host, and maintain a web-based, online flight data and incident reporting system to, subject to law enforcement and national security concerns and limitations: (1) collect flight-operations data from law enforcement and other public safety agencies from their use of sUAS (defined as UAS weighing less than 55 lbs.); and to (2) make that information publically available for analysis by entities interested in the use of sUAS in the national air space (NAS). In making this data readily accessible to the public, NIJ seeks to make possible further research and study of law enforcement and public safety sUAS flight operations, and through such research to improve the safety and increase the operational efficiency of law enforcement sUAS operations. <https://ncjrs.gov/pdffiles1/nij/sl001124.pdf>

NIJ FY 14 National Law Enforcement Corrections and Technology Center (NLECTC) System Small, Rural, Tribal and Border (SRTB) Regional Center

Funding Opportunity Number: NIJ-2014-3764

Application Deadline: June 16, 2014

Description: With this solicitation, NIJ seeks proposals for funding to host the Small, Rural, Tribal, and Border (SRTB) Regional Center within the National Law Enforcement and Corrections Technology Center (NLECTC)

system. The primary role of this center has been to provide technology assistance to SRTB law enforcement agencies. This was mainly accomplished by providing them access to information on tools and technologies that may meet their unique operational needs. NIJ now seeks to change how the center carries out its duties and expand its focus. With this solicitation, NIJ seeks proposals for funding to implement a new, research-based model for how the center provides technology assistance. Rather than simply providing information, going forward the center now will develop information. <https://ncjrs.gov/pdffiles1/nij/sl001119.pdf>

NIJ FY 14 National Criminal Justice Technology Information Resource Center

Funding Opportunity Number: NIJ-2014-3731

Application Deadline: June 16, 2014

Description: With this solicitation, NIJ seeks proposals to operate a National Criminal Justice Technology Information Resource Center within the National Law Enforcement and Corrections Technology Center (NLECTC) System. This center will assist federal, state, local, and tribal law enforcement, corrections, and courts agencies in (1) identifying effective tools and technologies to meet their operational needs and (2) adopting them into practice. The activities of this center will involve:• Identifying relevant tools and technologies, as well as matters affecting their adoption into practice (e.g., case law, health and safety risks, operational capabilities and limitations, etc.).• Communicating that information to agencies in a manner that fosters their adoption. This center will administer the NIJ Standards and Testing Program as part of its larger effort to identify effective tools and technologies. The goal of this program is to ensure that the equipment bought by criminal justice agencies is safe and effective.

<https://ncjrs.gov/pdffiles1/nij/sl001105.pdf>

NIJ FY 14 Methodological Research to Support NIJ's Program of Research Examining Violence and Victimization of American Indian (AI) and Alaska Native (AN) Youth

Funding Opportunity Number: NIJ-2014-3897

Application Deadline: June 17, 2014

Description: In partnership with the Office of Juvenile Justice and Delinquency Prevention (OJJDP) and the Office for Victims of Crime (OVC), NIJ seeks proposals for research that will provide prevalence data and research detailing the occurrence and forms of victimization experienced by American Indian (AI) and Alaska Native (AN) youth living in or near tribal communities. In particular, NIJ seeks proposals to develop and test optimum data collection procedures for self-report data on violence and victimization experienced by AI and AN youth living in tribal communities or settings. The focus of the work under this solicitation is to develop, implement, and pilot test a survey and methods for providing estimates of victimization, and to determine the feasibility of using these procedures in tribal communities and settings. To allow time for, among other things, any necessary post-award review, modification, and clearance by OJP of the proposed budget, applicants should propose an award start date of January 1, 2015. <https://ncjrs.gov/pdffiles1/nij/sl001100.pdf>

National Center for Building Community Trust and Justice: Improving the Justice System by Enhancing Procedural Justice, Reducing Bias, and Supporting Racial Reconciliation

Funding Opportunity Number: DOJ-2014-3797

Application Deadline: June 18, 2014

Description: The Department of Justice, through its components the Office of Justice Programs (OJP), the Community Oriented Policing Services Office (COPS), the Office on Violence against Women (OVW), and the Community Relations Service (CRS), is seeking applications for funding under this National Center for Building Community Trust and Justice grant announcement. The purpose of this initiative is to enhance procedural justice, reduce bias, and support racial reconciliation. This initiative furthers the Department's mission to ensure public safety and to ensure fair and impartial administration of justice for all Americans.

<http://www.ojjdp.gov/grants/solicitations/FY2014/NCBCTJ.pdf>

OJJDP FY 2014 Missing and Exploited Children Training and Technical Assistance Program

Funding Opportunity Number: OJJDP-2014-3894

Application Deadline: June 23, 2014

Description: Through this program, OJJDP seeks to develop and implement training and technical assistance on effective responses to missing and exploited children's issues for multidisciplinary teams of prosecutors, state and local law enforcement, child protection personnel, medical providers, and other child-serving professionals. This

program is authorized pursuant to paragraph (6) under the Juvenile Justice heading in the Department of Justice Appropriations Act 2014, P.L. 113-76, 128 Stat. 5, 65.

<http://www.ojjdp.gov/grants/solicitations/FY2014/MECTTA.pdf>

2015 Survey of Law Enforcement Personnel in Schools (SLEPS)

Funding Opportunity Number: BJS-2014-3928

Application Deadline: June 24, 2014

Description: The Bureau of Justice Statistics (BJS) is pleased to announce that it is seeking an applicant to conduct a new data collection focused on the activities, roles, and responsibilities of law enforcement agencies and personnel who have responsibilities for interacting with and working in K—12 public schools. The tasks will require instrument design, a field test of that design, and a data collection that includes a nationally represented sample of law enforcement personnel working in schools. Under section 302 of the Omnibus Crime Control and Safe Streets Act, BJS is authorized to “make grants to, or enter into cooperative agreements or contracts with public agencies, institutions of higher education, private organizations, or private individuals” for purposes of collecting and analyzing criminal justice statistics. http://www.bjs.gov/content/pub/pdf/sleps15_sol.pdf

NIJ FY 14 Evaluation of the Office for Victims of Crime Service, Support & Justice: A Strategy to Enhance Law Enforcement Response to Victims Demonstration Project

Funding Opportunity Number: NIJ-2014-3761

Application Deadline: June 30, 2014

Description: NIJ seeks proposals for an evaluation of the Office for Victims of Crime (OVC) Service, Support & Justice: A Strategy to Enhance Law Enforcement Response to Victims (ELERV) Demonstration Project. ELERV is a strategy developed by the International Association of Chiefs of Police (IACP) in conjunction with OVC to help law enforcement agencies implement agency wide changes in how law enforcement interacts with and addresses the needs of victims of crime. <https://ncjrs.gov/pdffiles1/nij/sl001121.pdf>

NIJ FY 2014 Evaluation of the Office for Victims of Crime Vision 21: Linking Systems of Care for Children and Youth State Demonstration Project

Funding Opportunity Number: NIJ-2014-3733

Application Deadline: July 3, 2014

Description: With this solicitation, NIJ seeks applications for funding for an evaluation of the Office for Victims of Crime’s (OVC) Vision 21: Linking Systems of Care for Children and Youth State Demonstration Project. The OVC Vision 21 Systems of Care Demonstration Project will fund two State-level demonstration sites that will bring a broad network of relevant systems and professionals together to establish a comprehensive and coordinated approach to serving child and youth victims and their families. OVC also will be funding a training and technical assistance (TTA) provider to provide support for the two State-level demonstration sites. OVC has sought NIJ’s assistance to evaluate the effectiveness of this strategy. <https://ncjrs.gov/pdffiles1/nij/sl001120.pdf>

NIJ FY 14 Evaluating the Effectiveness of State, Local, and Tribal Responses to Violence Committed Against Indian Women Living in Tribal Communities

Funding Opportunity Number: NIJ-2014-3728

Application Deadline: July 3, 2014

Description: This solicitation seeks proposals to conduct evaluations of promising programs or initiatives managed by State, local, or tribal governments that respond effectively to violence against Indian women living in tribal communities. <https://ncjrs.gov/pdffiles1/nij/sl001123.pdf>

NIJ FY 14 Information Sharing and Its Effect on Tracking Sex Offenders and Community Awareness: Examining a Key Function of the Sex Offender Registration and Notification Act (SORNA)

Funding Opportunity Number: NIJ-2014-3831

Application Deadline: July 7, 2014

Description: In collaboration with the Office of Sex Offender Sentencing, Monitoring, Apprehending, Registering, and Tracking (SMART), NIJ seeks creative and innovative proposals for research that examines how information sharing, a key function of the Sex Offender Registration and Notification Act (SORNA), may have evolved since its implementation. Specifically, NIJ is interested in assessing how information sharing has changed how criminal

justice agents (e.g., law enforcement, public safety administrators, correctional administrators, and prosecutors), track, monitor, and prosecute offenders; what types of information are collected and shared; how the public accesses and uses information about sex offenders in their community; and the cost of inter- and intra-jurisdictional information sharing.

NIJ FY 14 Developing Knowledge About What Works to Make Schools Safe

Funding Opportunity Number: NIJ-2014-3878

Application Deadline: July 10, 2014

Description: NIJ seeks proposals to develop knowledge about the effects of personnel, programs, and activities on school safety in the United States. Funds are available to local education agencies (LEAs), public charter schools that are recognized as an LEA and State educational agencies (SEAs). Applicants are expected to enter into an agreement to partner with highly qualified researchers and research organizations to test whether an intervention helps us understand what works in making schools safer. One example of a permissible intervention under this solicitation would be schools hiring school resource officers or mental health service providers. Applicants and their research partners have considerable discretion in determining the kinds of research and safety initiatives to test based on the most meaningful initiatives in their particular jurisdictions. However, NIJ is particularly interested in the impact on school safety of mental health services, public safety and preparedness (such as the use of school resource officers), and school climate and culture programs. <https://ncjrs.gov/pdffiles1/nij/sl001122.pdf>

Department of Labor

Project to Reduce Child Labor and Improve Labor Rights and Working Conditions in Honduras

Funding Opportunity Number: SCA-14-04

Application Deadline: July 2, 2014

Description: This opportunity will fund a technical assistance project(s) in Honduras to address child labor and improve labor rights and working conditions in Honduras, particularly in the agricultural areas of southern Honduras and in the San Pedro Sula area. The project will target children, households, and workers that are susceptible to child labor; violations of freedom of association, collective bargaining, minimum wage, hours of work, occupational safety and health, and other labor rights; and other exploitative working conditions.

<http://www.dol.gov/dol/grants/funding-ops.htm>

Country Level Engagement and Assistance to Reduce (CLEAR) Child Labor II

Funding Opportunity Number: SCA-14-05

Application Deadline: July 2, 2014

Description: This opportunity will fund a project to implement technical assistance activities that support the reduction of the worst forms of child labor (WFCL) by building local and national capacity to address the problem in a minimum of eight (8) countries over the life of the cooperative agreement. For the first year, the Grantee will work in in the following two (2) countries: Burkina Faso and Nepal. The other six (6) countries will be chosen in consultation with USDOL. <http://www.dol.gov/dol/grants/funding-ops.htm>

Susan Harwood Training Grants – Targeted Topics

Funding Opportunity Number: SHTG-FY-14-01

Application Deadline: June 30, 2014

Description: Targeted Topic Training grant winners should be developing and conducting quality training for multiple employers and/or their workers, and the develop quality safety and health training/educational materials addressing one of the OSHA selected training topics — Agricultural Safety and Health; Amputations; Chemical Hazards and/or Hazard Communication; Construction Road Zones; Ergonomic Hazards; Fall Prevention in Construction; Fall Prevention in General Industry and Hair & Nail Salon Hazards.

<http://www.dol.gov/dol/grants/funding-ops.htm>

Susan Harwood Training Grants – Capacity Building

Funding Opportunity Number: SHTG-FY-14-02

Application Deadline: June 30, 2014

Description: Capacity

Building grants are longer-term grants that build safety and health competency. Applications for Capacity Building

grants should focus on developing and/or expanding the capacity of an applicant organization to provide safety and health training, education, and related assistance to targeted audiences. <http://www.dol.gov/dol/grants/funding-ops.htm>

Department of Transportation

Addressing the Challenges and the Return on Investment for Paperless Project Delivery (e-Construction)

Solicitation Number: DTFH6114R00031

Application Deadline: June 10, 2014 by 12:30 pm Eastern time

Description: This synopsis is issued in accordance with FAR Part 5.203 in response to the mandatory requirement for a 15 day pre-solicitation notification. The purpose of this synopsis is to announce the Federal Highway Administration's intent to issue a solicitation for a Full and Open Competition to procure the services of a contractor to conduct a study entitled, "Addressing the Challenges and the Return on Investment for Paperless Project Delivery (e-Construction)." As a result of this solicitation, the FHWA intends to award one contract. The anticipated period of performance will be 18 months. The overall objective of this study is to assess how some highway agencies are transitioning to a more paperless project delivery system (e-Construction) and document the cost, benefits, and challenges of doing so. The activities for accomplishing these goals fall under the following broad categories:

- Project Management;
- Research Current and Evolving Practice;
- Document Successes, Challenges and Opportunities in e-Construction;
- Prepare Interim Report;
- Analyze Data and Develop an e-Construction Development Plan;
- Seek Feedback and Develop Implementation Guidance; and
- Final Report and Presentation Materials.

The solicitation will be released electronically via this Government Point of Entry (GPE) otherwise known as Federal Business Opportunities or www.fbo.gov. As such, no written, telephonic or other type of request for an advance copy of the solicitation will be entertained at this time. Potential offerors/vendors are encouraged to register on www.fbo.gov to receive any further information in reference to the subject action inclusive of any announcements, and/or amendments to the solicitation after its release. Any questions regarding this synopsis should be directed to Guang Zeng, Contract Specialist, via email at Guang.Zeng@dot.gov. A secondary point of contact is the Contracting Officer, Robin Hobbs via email at Robin.Hobbs@dot.gov. <https://www.fbo.gov/index?s=opportunity&mode=form&id=2cbd6022d67fd099efa415a7ad0d04aa&tab=core&view=1>

Integrating 3D Digital Models into Asset Management

Solicitation Number: DTFH6114R00030

Application Deadline: June 10, 2014 by 12:30 pm Eastern time

Description: This synopsis is issued in accordance with FAR Part 5.203 in response to the mandatory requirement for a 15 day pre-solicitation notification. The purpose of this synopsis is to announce the Federal Highway Administration's intent to issue a solicitation for a Full and Open Competition to procure the services of a contractor to conduct a study entitled, "Integrating 3D Digital Models into Asset Management."

As a result of this solicitation, the FHWA intends to award one contract. The anticipated period of performance will be 24 months. The overall objective of this study is to gather, analyze, and distill data to determine the current state of the practice for using 3D digital modeling in asset management (6D) and, based on this, develop best practice recommendations for the development of standards and specifications that provide for 6D usage. The activities for accomplishing these goals fall under the following broad categories:

- Project Kickoff;
- Perform Literature Review, Synthesis and Research;
- Develop of Draft Report;
- Incorporation of Comments;”
- Final Report.

The solicitation will be released electronically via this Government Point of Entry (GPE) otherwise known as Federal Business Opportunities or www.fbo.gov. As such, no written, telephonic or other type of request for an advance copy of the solicitation will be entertained at this time. Potential offerors/vendors are encouraged to register on www.fbo.gov to receive any further information in reference to the subject action inclusive of any announcements, and/or amendments to the solicitation after its release. Any questions regarding this synopsis should be directed to Guang Zeng, Contract Specialist, via email at Guang.Zeng@dot.gov. A secondary point of contact is the Contracting Officer, Robin Hobbs via email at Robin.Hobbs@dot.gov.
<https://www.fbo.gov/index?s=opportunity&mode=form&id=74c25cbd7f8934c49c2ed766b731df9d&tab=core&view=1>

Environmental Protection Agency

National Clean Diesel Funding Assistance Program FY 2014 Request for Proposals (RFP)

Funding Opportunity Number: EPA-OAR-OTAQ-14-05

Application Deadline: June 17, 2014

Description: EPA's Office of Transportation and Air Quality is soliciting proposals nationwide for projects that achieve significant reductions in diesel emissions in terms of tons of pollution produced by diesel engines and diesel emissions exposure, particularly from fleets operating in areas designated by the Administrator as poor air quality areas. http://www.epa.gov/air/grants_funding.html

Integrated Atmospheric Deposition Network

Funding Opportunity Number: EPA-R5-GL2014-1

Application Deadline: June 17, 2014

Description: This Request for Applications (RFA) solicits applications from eligible entities for a cooperative agreement to support the Integrated Atmospheric Deposition Network pursuant to the Great Lakes Restoration Initiative Action Plan (http://greatlakesrestoration.us/pdfs/glri_actionplan.pdf). This RFA is EPA's first competitive grant funding opportunity under the Great Lakes Restoration Initiative ("GLRI" or "Initiative") for FY 2014 and is one of several funding opportunities available through federal agencies under the GLRI.
<http://epa.gov/greatlakes/fund/2014rfa01/>

Miami-Dade County Department of Cultural Affairs

Audience Access Grant Program

Funding Opportunity Number: N/A

Application Deadline: Ongoing

Description: The Department of Cultural Affairs is committed to continuing its collaborative efforts in working with people with disabilities and cultural/community organizations to help address ADA compliance issues, programmatic accessibility, and audience development and outreach efforts. The Department strives to ensure that all of its grantees are likewise committed to making their facilities and programs accessible to people of all abilities. The Audience Access Grant Program is designed to provide funding to promote and help pay for arts program ADA/access technology, such as American Sign Language (ASL) interpreters, captioning, audio description, marketing materials, and other such services to ensure programmatic access for audiences of all abilities. This program is not intended to provide assistance in funding capital/facilities improvements, such as construction, renovation or major equipment purchases. <http://miamidadearts.culturegrants.org/navigation/links/page/audience-access-aud>

Community Grants Program (CG) – 1st Quarter

Funding Opportunity Number: N/A

Pre-Grant Submission Workshops (CG Specific): June 12, 2014, 2 PM – Click here to

RSVP: <https://docs.google.com/spreadsheets/viewform?formkey=dGNmaVp3TUVGTXlmSFBGbXFwVHk4cFE6MQ#gid=0>

Application Deadline: July 3, 2014 – 4PM

Description: Quarterly program responsive to non-profit organizations developing small to medium scale community-based cultural arts programs, projects and events, such as fairs, parades, neighborhood festivals,

conferences and publications. This program is particularly appropriate for projects which encourage the preservation of heritage and cultural traditions, and social service organizations and cultural groups developing collaborative intervention projects.

<http://miamidadearts.culturegrants.org/navigation/links/page/community-grants-program-cg>

Tourist Development Council Grant Program (TDC) – 1st Quarter

Funding Opportunity Number: N/A

Pre-Grant Submission Workshops (TDC Specific): June 26, 2014, 2 PM - Click here to [RSVP](#)

Grant System Basics Workshop: Visit [CGO Miami Homepage](#) for dates & times

Application Deadline: July 14, 2014, 4 PM

Description: Quarterly program which provides support to significant cultural and/or special events, including sports activities and television/film origination projects that promote Miami-Dade County's appeal as a tourist destination. Activities must be able to stimulate tourism by increasing hotel occupancy and will have significant media impact for Miami-Dade County. <http://miamidadearts.culturegrants.org/navigation/links/page/tourist-development-council-tdc>

Community Grants Program (CG) – 2nd Quarter

Funding Opportunity Number: N/A

Pre-Grant Submission Workshops (CG Specific): August 14, 2014, 2 PM – Click here to [RSVP](#)

Application Deadline: September 4, 2014 – 4PM

Description: Quarterly program responsive to non-profit organizations developing small to medium scale community-based cultural arts programs, projects and events, such as fairs, parades, neighborhood festivals, conferences and publications. This program is particularly appropriate for projects which encourage the preservation of heritage and cultural traditions, and social service organizations and cultural groups developing collaborative intervention projects. <http://miamidadearts.culturegrants.org/navigation/links/page/community-grants-program-cg>

National Aeronautics and Space Administration

Atmospheric Composition: Modeling and Analysis

Funding Opportunity Number: NNH14ZDA001N-ACMAP

Application Deadline: July 1, 2014

Description: The modeling and analysis effort addresses the following research issues: tropospheric air quality and oxidation efficiency, pollution sourced aerosols where they impact cloud properties, stratospheric chemistry, including ozone depletion, and chemistry/climate interactions. Studies of long-term trends in atmospheric composition (potentially using both current and past mission data sets) are also of interest to the program, where the connection between cause and effect is elucidated using models. The program is interested in studies that integrate observations from multiple instruments with models to address attribution and predictions.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={A338908F-CBB3-CC50-FF89-58462C99FCFA}&path=open>

Research Opportunities for ISS Utilization

Funding Opportunity Number: NNJ13ZBG001N

Pre-Application Deadline: August 29, 2014 (Cycle 7)

Application Deadline: November 14, 2014 (Cycle 7)

Description: The ISS NASA Education Projects Office is soliciting proposals from higher education institutions or consortia of organizations and institutions serving higher education who have concepts for flight experiments or demonstrations that utilize the unique ISS microgravity environment and can be conducted in a "1 unit" (1U) Nanoracks NanoLab.

<http://nspires.nasaprs.com/external/solicitations/solicitationAmendments.do?method=init&solId={21E0270C-BC1F-EFC4-3D87-30713B5FF373}&path=open>

Planetary Protection Research

Funding Opportunity Number: NNH14ZDA001N-PPR

Pre-Application Deadline: June 27, 2014

Application Deadline: September 5, 2014

Description: Planetary protection involves preventing biological contamination on both outbound and sample return missions to other planetary bodies. Numerous areas of research in astrobiology/exobiology are improving our understanding of the potential for survival of Earth microbes in extraterrestrial environments, relevant to preventing contamination of other bodies by organisms carried on spacecraft. Research is required to improve NASA's understanding of the potential for both forward and backward contamination, how to minimize it, and to set standards in these areas for spacecraft preparation and operating procedures.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={B625D578-61B1-09BE-7A15-7D3402ECFD73}&path=open>

Planetary Data Archiving, Restoration, and Tools

Funding Opportunity Number: NNH14ZDA001N-PDART

Pre-Application Deadline: July 14, 2014

Application Deadline: September 5, 2014

Description: The Planetary Data Archiving, Restoration and Tools (PDART) solicits proposals to generate higher-order data products, archive and restore data sets or products, create or consolidate reference databases, digitize data, and develop or validate software tools. The objective of this program element is to increase the amount and quality of archived data and data products available for planetary science research and exploration, and to produce tools that would enable or enhance future scientific investigations.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={608AA4F5-98AF-BA4F-E11B-64D6B4D8A111}&path=open>

National Endowment for the Humanities

Summer Stipends

Funding Opportunity Number: 20140930-FT

Application Deadline: September 30, 2014

Description: Summer Stipends support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources. Summer Stipends support continuous full-time work on a humanities project for a period of two consecutive months. Summer Stipends support projects at any stage of development. Summer Stipends are awarded to individual scholars. Organizations are not eligible to apply. NEH encourages submission of Summer Stipends applications from independent scholars and faculty at Hispanic-Serving Institutions, Historically Black Colleges and Universities, and Tribal Colleges and Universities.

<http://www.neh.gov/grants/research/summer-stipends>

National Institutes of Health

Disseminating and Implementing Evidence from Patient-Centered Outcomes Research in Clinical Practice Using Mobile Health Technology (R21)

Funding Opportunity Number: (RFA-HS-14-010)

Application Receipt Date(s): August 4, 2014

Description: This Funding Opportunity Announcement (FOA) invites applications for developmental research projects on using mobile health technology (mHealth) to facilitate the dissemination and implementation of findings from patient-centered outcomes research (PCOR) into clinical practice. The purposes of this FOA are to develop and evaluate the effectiveness of novel approaches that use mHealth tools to enable the timely incorporation and appropriate use of PCOR evidence in clinical practice. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-010.html>

NLM Information Resource Grants to Reduce Health Disparities (G08)

Funding Opportunity Number: (RFA-LM-14-001)

Application Receipt Date(s): July 29, 2014

Description: This Funding Opportunity Announcement (FOA) solicits resource grant applications for projects that will bring useful, usable health information to health disparity populations and their health care providers. Access to useful, usable, understandable health information is an important factor during health decisions. Proposed

projects should exploit the capabilities of computer and information technology and health sciences libraries to bring health-related information to consumers and their health care providers. Because this FOA focuses on providing health information to health disparity populations, institutions with demonstrated commitment to the needs of health disparity communities (including Tribal Colleges and Universities (TCU), Historically Black Colleges and Universities (HBCU), Hispanic-Serving Institutions (HSI) and other institutions in rural and socially disadvantaged areas) are encouraged to apply. <http://grants.nih.gov/grants/guide/rfa-files/RFA-LM-14-001.html>

Morris K. Udall Centers of Excellence for Parkinson's Disease Research (P50)

Funding Opportunity Number: (RFA-NS-14-003)

Application Receipt Date(s): June 30, 2014

Description: This Funding Opportunity Announcement (FOA) invites applications for the Morris K. Udall Centers of Excellence for Parkinson's Disease Research program. The overarching goal of the specialized Udall Centers program is to establish a network of Centers that work collaboratively as well as independently to define the causes of and discover improved treatments for Parkinson's disease (PD). A more immediate goal for each Center is to rapidly advance synergistic, interdisciplinary research programs while serving as local resources and national leaders in PD research. The overall theme, proposed research projects, and associated cores must inform the etiology, pathogenesis or treatment of PD. Investigations on related synucleinopathies may be included, to the extent that these directly inform PD research. Required components include: 1) a minimum of three research projects; 2) research cores that are essential to accomplish the aims of proposed research projects, plus an Administrative Core; and 3) a specific plan for training of PD researchers. The NINDS Udall Centers program prioritizes innovative and integrative research with significant potential for discovery. A considerable degree of synergy must be evident among Center research projects and cores, such that successful completion of the aims could not be accomplished without the Center structure. The Udall Center Director (PD/PI) must be an established leader in scientific research with visionary leadership skills and proven expertise in research project and personnel management. Eligible institutions must demonstrate commitment to and support for the establishment and continuation of the proposed Udall Center. Funding decisions will focus on those applications most likely to make innovative contributions to PD research, as well as those with greatest potential to contribute new ideas to and collaborate effectively across the Centers program. <http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-14-003.html>

Unconventional Roles of Ethanol Metabolizing Enzymes, Metabolites, & Cofactors in Health & Disease R01

Funding Opportunity Number: (PA-14-198)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: The purpose of this FOA is to provide support for integrated, innovative research on the novel and unconventional contributions of ethanol metabolizing pathways, their metabolites, cofactors, and interactions with synergizing biological pathways in the development of alcohol-induced diseases and end organ injuries. It is anticipated that this FOA will generate data that may lead to breakthroughs in our understanding of identifying key cellular and molecular components in the initiation, progression and maintenance of the diverse medical disorders caused by excessive, long term alcohol consumption. In the future this knowledge may be critical in the diagnosis, treatment and management of vulnerable patient population debilitated by the vast array of alcohol-induced pathologies and enable clinicians to improve disease outcomes and, consequently, public health. <http://grants.nih.gov/grants/guide/pa-files/PA-14-198.html>

Centers of Excellence in Genomic Science (CEGS) (RM1)

Funding Opportunity Number: (PAR-14-195)

Application Receipt/Submission Date(s): July 2, 2014; May 20, 2015; May 20, 2016

Description: The Centers of Excellence in Genomic Sciences (CEGS) program establishes academic Centers for advanced genome research. Each CEGS grant supports a multi-investigator, interdisciplinary team to develop innovative genomic approaches to address a particular biomedical problem. A CEGS project will address a critical issue in genomic science or genomic medicine, proposing a solution that would be a very substantial advance. Thus, the research conducted at these Centers will entail substantial risk, balanced by outstanding scientific and management plans and very high potential payoff. A CEGS will focus on the development of novel technological or computational methods for the production or analysis of comprehensive data sets, or on a particular genome-scale biomedical problem, or on other ways to develop and use genomic approaches for

understanding biological systems and/or significantly furthering the application of genomic knowledge, data and methods towards clinical applications. Exploiting its outstanding scientific plan and team, each CEGS will nurture genomic science at its institution by facilitating the interaction of investigators from different disciplines, and, by providing training to new and experienced investigators, it will expand the pool of highly-qualified professional genomics scientists and engineers. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-195.html>

NIAMS Clinical Trial Planning Cooperative Agreement (U34)

Funding Opportunity Number: (PAR-14-199)

Application Receipt/Submission Date(s): July 1, 2014, November 3, 2014, and March 2, 2015

Description: This Funding Opportunity Announcement (FOA) will support planning cooperative agreements (U34) (hereafter called “planning grants”) for investigator-initiated clinical interventional trials. The U34 planning grant is designed to permit the necessary planning, design, and preparation of documentation prior to implementation of investigator-initiated clinical trials. Completion of the agreed upon milestones of a U34 planning grant is recommended prior to submission of a clinical trial through a U01 clinical trial implementation grant application that will support the actual implementation and conduct of the study. Consultation with NIAMS staff is strongly encouraged prior to the submission of the U34 application. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAMS and considered high priority by the Institute.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-199.html>

NIAMS Clinical Trial Implementation Cooperative Agreement (U01)

Funding Opportunity Number: (PAR-14-200)

Application Receipt/Submission Date(s): July 1, 2014, November 3, 2014, March 2, 2015

Description: This Funding Opportunity Announcement (FOA) invites cooperative agreement (U01) applications for implementation of investigator-initiated interventional clinical trials (all phases). Applications for clinical trials submitted to the NIAMS are normally expected to go through a two-part process, which begins with a U34 planning phase (Part 1) followed by an application for the U01 (Part 2). Investigators who have completed all necessary pre-trial planning and preparation through other means may apply for a NIAMS U01 without having applied for a U34. Consultation with NIAMS staff is strongly encouraged prior to the submission of the clinical trial implementation U01 application. The NIAMS expects such trials to be hypothesis driven, milestone-defined, related to the research mission of the NIAMS, and considered high-priority by the institute.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-200.html>

Administrative Supplements for Research on Dietary Supplements (Admin Supp)

Funding Opportunity Number: (PAR-14-201)

Application Receipt/Submission Date(s): October 15, 2014, January 15, 2015, or April 15, 2015, by 5:00 PM local time of applicant organization.

Description: The Office of Dietary Supplements (ODS) announces the availability of administrative supplements to support research in which the supplemental funding would investigate the role of dietary supplements and/or their ingredients in health maintenance and disease prevention. Parent awards need not be focused on dietary supplements; this FOA may provide support to include dietary supplements within the scope of relevant research projects. Research interests of ODS are not limited to specific health conditions, organ systems or population groups. ODS supports all types of research, including pre-clinical, clinical, behavioral, and epidemiological. Additionally, ODS supports research and training programs that build future research capacity for studying the role of dietary supplements in health and disease prevention. Primary consideration for support will be given to applications that stimulate dietary supplement research where it is lacking or lagging, clarify gaps, opportunities and balance between benefits and risks where data are in conflict, target special population groups where additional science on dietary supplements is needed, and focus on the use of dietary supplements in improving or maintaining health and reducing the risk of chronic disease. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-201.html>

Environmental Contributors to Autism Spectrum Disorders (R21)

Funding Opportunity Number: (PAR-14-202)

Application Receipt/Submission Date(s): August 26, 2014; August 26, 2015; August 26, 2016

Description: The purpose of this FOA is to stimulate and foster research to (1) identify environmental contributors to risk and expression of autism spectrum disorders (ASD) and (2) understand how environmental factors impact

the underlying biologic processes implicated in ASD. The R21 grant mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on biomedical, behavioral, or clinical research. A range of approaches are being encouraged by this FOA, from basic mechanistic studies using in vitro and in vivo model systems to studies that add new data collection activities and/or make use of extant data or biospecimens in existing human studies. Studies that address hypotheses related to the joint contribution of genes and environment are of particular interest. It is anticipated that knowledge gained from the research supported by this FOA will be used to inform public health prevention and intervention strategies. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-202.html>

Environmental Contributors to Autism Spectrum Disorders (R01)

Funding Opportunity Number: (PAR-14-203)

Application Receipt/Submission Date(s): August 26, 2014; August 26, 2015; August 26, 2016

Description: The purpose of this FOA is to stimulate and foster research to (1) identify environmental contributors to risk and expression of autism spectrum disorders (ASD) and (2) understand how environmental factors impact the underlying biologic processes implicated in ASD. A range of approaches are being encouraged by this FOA, from basic mechanistic studies using in vitro and in vivo model systems to studies that add new data collection activities and/or make use of extant data or biospecimens in existing human studies. Studies that address hypotheses related to the joint contribution of genes and environment are of particular interest. It is anticipated that knowledge gained from the research supported by this FOA will be used to inform public health prevention and intervention strategies. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-203.html>

Pharmacogenomics Knowledge Base (R24)

Funding Opportunity Number: (RFA-GM-15-002)

Application Receipt Date(s): October 7, 2014

Description: This funding opportunity announcement (FOA) offers support for a high impact pharmacogenomics knowledge base as a research resource available to the entire scientific community. There is an existing Pharmacogenomics Knowledge Base, PharmGKB, and it is the intention of NIGMS to continue one knowledge base. This is an open competition and any qualified applicants are invited to respond. Advance consultation with staff to ensure that a proposed resource fits well with this opportunity is highly encouraged.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-15-002.html>

NIMHD Social, Behavioral, Health Services, and Policy Research on Minority Health and Health Disparities (R01)

Funding Opportunity Number: (RFA-MD-14-004)

Application Receipt Date(s): August 28, 2014

Description: The purpose of this Funding Opportunity Announcement (FOA) is to solicit innovative social, behavioral, health services, and policy research that can directly and demonstrably contribute to the elimination of health disparities. Projects may involve primary data collection or secondary analysis of existing datasets. Projects that examine understudied health conditions; examine the effectiveness of interventions, services, or policies for multiple health disparity populations; and/or directly measure the impact of project activities on levels of health disparities are particularly encouraged. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-14-004.html>

NIMHD Basic and Applied Biomedical Research on Minority Health and Health Disparities (R01)

Funding Opportunity Number: (RFA-MD-14-005)

Application Receipt Date(s): August 28, 2014

Description: The purpose of this funding opportunity announcement (FOA) is to solicit innovative basic and applied research on fundamental biological mechanisms involved in disease conditions that disproportionately affect health disparity populations and therapies or interventions that can directly or demonstrably contribute to reducing or eliminating health disparities. Projects investigating disease/condition etiology, physiology, genetic risk factors, molecular pathways, gene-environment interactions, pharmacogenomics and personalized medicine in health disparity populations are particularly encouraged.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-14-005.html>

Longitudinal Assessment of Post-traumatic Syndromes (U01)**Funding Opportunity Number:** (RFA-MH-15-110)**Application Receipt Date(s):** November 6, 2014

Description: This Funding Opportunity Announcement (FOA) encourages cooperative research project grant (U01) applications for a multi-site, longitudinal research platform to 1) characterize post-traumatic trajectories based on dimensions of observable behavior, neurobiological changes, and other measures that may serve as markers of risk (e.g., neural network functional connectivity, cognitive functioning, emotion regulation, biomarkers of immune response) among adult trauma patients initially seen in emergency rooms and other acute trauma settings, 2) examine processes or mechanisms whereby post-trauma mental illness develops and is maintained, 3) develop algorithms to be used in the acute post-trauma time period to predict different trajectories, and 4) develop/refine measures of promising targets for future prevention and early treatment studies.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-110.html>

Chronic Wounds: Advancing the Science from Prevention to Healing (R01)**Funding Opportunity Number:** (RFA-NR-15-001)**Application Receipt Date(s):** July 24, 2014

Description: This Funding Opportunity Announcement (FOA) seeks to stimulate research that will increase the understanding of biological and psychosocial factors associated with development, progression, and repair of chronic wounds (e.g., diabetic ulcers, pressure ulcers, venous and arterial ulcers) and associated adverse outcomes, and to develop and test interventions aimed at preventing the onset of chronic wounds, expediting the healing process, or alleviating wound-related symptoms. It is anticipated that the findings from this research will expand the body of knowledge needed to identify individuals at the highest risk for developing chronic wounds and to inform the search for tailored treatments to improve outcomes and quality of life for millions of persons at risk for or suffering from chronic wounds. <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-15-001.html>

HIV Vaccine Research and Design (HIVRAD) Program (P01)**Funding Opportunity Number:** (PAR-14-206)**Application Receipt/Submission Date(s):** July 29, 2014

Description: The purpose of this Funding Opportunity Announcement (FOA) is to support multi-component, multi-disciplinary projects that address important scientific questions relevant to AIDS prophylactic vaccine discovery research. Extensive modeling of vaccine concepts in non-human primates may be included.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-206.html>

Center for Inherited Disease Research (CIDR) High Throughput Sequencing and Genotyping Resource Access (X01)**Funding Opportunity Number:** (PAR-14-207)**Application Receipt/Submission Date(s):** July 1, 2017

Description: The Center for Inherited Disease Research (CIDR) high-throughput genotyping, sequencing and supporting statistical genetics services are designed to aid the identification of genes or genetic modifications that contribute to human health and disease. The laboratory specializes in genomic services that can't be readily handled by individual investigator laboratories. CIDR provides the most up-to-date platforms, services and statistical genetic support. This is an NIH-wide initiative that is managed by NHGRI. Information about the current services offered can be accessed via: <http://www.cidr.jhmi.edu> <http://grants.nih.gov/grants/guide/pa-files/PAR-14-207.html>

NINDS Renewal Awards of SBIR Phase II Grants (Phase IIB) for Exploratory Clinical Trials and Clinical Research (R44)**Funding Opportunity Number:** (PAR-14-208)**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) applications from small business concerns (SBCs) that seek additional funding to support exploratory clinical trials for projects that were previously funded by NIH SBIR and STTR Phase II awards. The projects must focus on products related to the mission and goals of the National Institute of Neurological Disorders and Stroke

(NINDS) and may evaluate drugs, biologics, devices, or diagnostics, as well as surgical, behavioral or rehabilitation therapies. Since conducting the clinical trials needed for commercialization may be capital-intensive, the FOA aims to facilitate the transition of SBIR Phase II projects to the commercialization stage by promoting partnerships between NIH's SBIR/STTR awardees and third-party investors and/or strategic partners. Consistent with the goals of this funding initiative and as required by the SF424 instructions for all SBIR Phase II applications, applicants must submit a Commercialization Plan, which should include details on any independent third-party investor funding that has already been secured or is anticipated during the project period. It is expected that the level of this independent third-party funding will equal or exceed the NINDS funds being requested throughout the SBIR Phase IIB project period. <http://grants.nih.gov/grants/guide/pa-files/PA-14-208.html#sthash.NROWewxu.dpuf>

Sustained Release for Antiretroviral Treatment or Prevention (SRATP) of HIV Infection (UM1)

Funding Opportunity Number: (RFA-AI-14-008)

Application Receipt Date(s): November 18, 2014

Description: The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications from single institutions and consortia of institutions to participate in the Sustained Release for Antiretroviral Treatment or Prevention (SRATP) of HIV Infection program. Applications may propose development of either treatment or prevention products containing antiretroviral agents delivered using sustained release delivery platforms (oral, injection, implant, transdermal or direct delivery to HIV target mucosa) with the objective of Phase 1 testing before the end of the award. Up to three independent Sustained Release Strategies (SRSs) may be proposed in an application. Each SRS must focus on the development of a separate product. The application must also include one of each of the following Sections: Program Operation Section (POS), Clinical Trial Section (CTS), IND-Enabling Section (IND-ES) and Administrative Coordination Section. Additional Scientific Projects and Scientific Support Sections that will facilitate the achievement of the SRATP sustained release objectives may be included. At least one of the required Sections of the application must include participation by a private sector for-profit or not-for-profit company that will be expected to contribute in a positive and significant way to the overall scientific agenda of the SRATP. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-008.html>

Diabetes Impact Award-Closed Loop Technologies: Clinical, Physiological and Behavioral Approaches to Improve Type 1 Diabetes Outcomes (DP3)

Funding Opportunity Number: (RFA-DK-14-014)

Application Receipt Date(s): November 24, 2014

Description: This Funding Opportunity Announcement (FOA) encourages applications from institutions/organizations proposing human studies to develop and/or test a highly reliable, wearable, portable, easy to operate system linking continuous glucose monitoring and pancreatic hormone delivery in a closed loop system. This research is intended to improve glucose control and quality of life of patients with type 1 diabetes. Only human studies will be considered responsive to this FOA. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-014.html>

Diabetes Impact Award-Closed Loop Technologies: Development and Integration of Novel Components for an Automated Artificial Pancreas System (DP3)

Funding Opportunity Number: (RFA-DK-14-015)

Application Receipt Date(s): November 24, 2014

Description: This Funding Opportunity Announcement (FOA) encourages applications from institutions/organizations proposing original research addressing the development of new technologies that may be integrated in a wearable, portable, automated, closed loop system for a physiological glucose control in individuals with Type 1 Diabetes. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-015.html>

Confirmatory Efficacy Clinical Trials of Non-Pharmacological Interventions for Mental Disorders (R01)

Funding Opportunity Number: (RFA-MH-15-340)

Application Receipt Date(s): July 30, 2014, October 17, 2014, and February 18, 2015

Description: The purpose of this Funding Opportunity Announcement (FOA) is to support confirmatory efficacy testing of non-pharmacological therapeutic and preventive interventions for mental disorders in adults and children through an experimental therapeutics approach. Under this FOA, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support "go/no-go" decisions about

further development or effectiveness testing of a targeted, scaled-up intervention. Intervention studies include, but are not limited to behavioral, cognitive, and interpersonal approaches, or a combination thereof. Interventions appropriate for efficacy testing must be based on a compelling scientific rationale, previous demonstration that the intervention engages and alters the hypothesized mechanism of action, a preliminary efficacy signal, and must address an unmet therapeutic need. Support will be provided for a trial of the intervention's efficacy that includes measurement of the hypothesized mechanism of action and the relationship between change in the mechanism and change in functional or clinical effects. Ultimately, this FOA is intended to support a sufficiently-powered efficacy trial to determine the intervention's potential for significant clinical benefit. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-340.html>

HIV Vaccine Vector-Host Interactions: Understanding the Biology and Immunology (R21)

Funding Opportunity Number: (PA-14-214)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: The purpose of this Funding Opportunity Announcement (FOA) is to support increased understanding of the biology and immunology of natural viral infections and HIV vaccine vectors. Applications should focus on four vaccine viral vector platforms developed from Adenoviridae, Poxviridae, Herpesviridae, or Adeno-associated viruses in humans or non-human primates (NHPs). Goals of the research include the development of improved safety models to assess the potential vaccine-related effects such as increased HIV infection rates due to immune activated vector-specific HIV target cells (e.g. CD4+ T-cells). <http://grants.nih.gov/grants/guide/pa-files/PA-14-214.html>

HIV Vaccine Vector-Host Interactions: Understanding the Biology and Immunology (R01)

Funding Opportunity Number: (PA-14-215)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: The purpose of this Funding Opportunity Announcement (FOA) is to support increased understanding of the biology and immunology of natural viral infections and HIV vaccine vectors. Applications should focus on four vaccine viral vector platforms developed from Adenoviridae, Poxviridae, Herpesviridae, or Adeno-associated viruses in humans or non-human primates (NHPs). Goals of the research include the development of improved safety models to assess the potential vaccine-related effects such as increased HIV infection rates due to immune activated vector-specific HIV target cells (e.g. CD4+ T-cells). <http://grants.nih.gov/grants/guide/pa-files/PA-14-215.html>

B Cell Help Immunology Program for AIDS Vaccine Strategies (R01)

Funding Opportunity Number: (PA-14-216)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: The purpose of this Funding Opportunity Announcement (FOA) is to: (1) support multidisciplinary projects that define the role(s) played by innate immunity and T cells in shaping the B cell response to HIV-1 antigens; and (2) identify strategies to modulate innate immune mechanisms and T cell differentiation pathways to optimize B cell helper functions for enhancing HIV-1 vaccines and generating long-term memory. <http://grants.nih.gov/grants/guide/pa-files/PA-14-216.html>

NK Cells to Induce Immunological Memory to Prevent HIV Infection (R01)

Funding Opportunity Number: (PA-14-217)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: The purpose of this Funding Opportunity Announcement (FOA) is to support multidisciplinary, hypothesis-driven research on Natural Killer (NK) cells, leading to the discovery of pathways relevant for early immune responses and immune regulation impacting the potential protective immunity to be induced by HIV vaccination. Secondary objectives include the development of novel technologies to allow for more definitive studies of human immune monitoring in the context of vaccine clinical trials and the recruitment of innate immunologists to the HIV vaccine field. <http://grants.nih.gov/grants/guide/pa-files/PA-14-217.html>

Fc Receptor (FcR) and Antibody Effector Function in HIV Vaccine Discovery (R01)

Funding Opportunity Number: (PA-14-218)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: The purpose of this Funding Opportunity Announcement (FOA) is to stimulate and support investigator-driven collaborative research to: 1) probe how vaccine elicited antibodies protect against viral acquisition via Fc receptor (FcR) mediated mechanisms; and 2) benchmark functional profiles of vaccines that protect against viral infections to inform advancement of HIV vaccine candidates. This initiative will support basic/pre-clinical research and analysis of clinical samples to evaluate parameters critical for the elicitation of protective FcR antibody effector function. <http://grants.nih.gov/grants/guide/pa-files/PA-14-218.html>

Long-Term Retention in Care for U.S. Substance Using Populations (R34)

Funding Opportunity Number: (PA-14-222)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: Until there is a cure, people living with HIV (PLWH) will have to be retained in care throughout their lives. Therefore, the purpose of this Funding Opportunity Announcement (FOA) is to encourage research on long-term retention in care leading to sustained viral suppression among substance abusers.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-222.html>

Long-Term Retention in Care for U.S. Substance Using Populations (R21)

Funding Opportunity Number: (PA-14-223)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: Until there is a cure, people living with HIV (PLWH) will have to be retained in care throughout their lives. Therefore, the purpose of this Funding Opportunity Announcement (FOA) is to encourage research on long-term retention in care leading to sustained viral suppression among substance abusers.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-223.html>

Long-Term Retention in Care for U.S. Substance Using Populations (R01)

Funding Opportunity Number: (PA-14-224)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: Until there is a cure, people living with HIV (PLWH) will have to be retained in care throughout their lives. Therefore, the purpose of this Funding Opportunity Announcement (FOA) is to encourage research on long-term retention in care leading to sustained viral suppression among substance abusers.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-224.html>

Limited Competition for NIH-Industry Program: Discovering Pediatric New Therapeutic Uses for Existing Molecules (UH2/UH3)

Funding Opportunity Number: (PAR-14-210)

Application Receipt/Submission Date(s): January 16, 2015

Description: The National Center for Advancing Translational Sciences (NCATS) seeks to expand the therapeutics discovery program piloted in 2012, to explore new therapeutic uses for proprietary drug candidates (Agents) across a broad range of human diseases. This innovative program allows investigators to propose new therapeutic uses for Agents from pharmaceutical company partners. A strong application will be supported by scientific evidence that modulation of the Agent's target will have a positive impact on the disease/condition. PAR-14-213 encourages X02 pre-applications for the NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules. The X02 pre-application is the first step in the application process for PAR-14-212, PAR-14-210, PAR-14-211; applicants must read all of the companion FOAs. The X02 pre-applications will be evaluated by outside experts. Investigators whose X02 pre-applications are judged to be the most meritorious will be notified of the opportunity to submit a UH2/UH3 application under this FOA or PAR-14-212, or a UH3 application under PAR-14-211. The UH2/UH3 is a two stage application.

1. The UH2 (Stage 1) for this FOA may be used to support milestone-driven preclinical studies to perform juvenile toxicity testing and verify target engagement in a disease model and Phase 1a and 1b trials for a period that may vary from one to two years. UH2 projects that have met the scientific milestones and feasibility requirements will be eligible for rapid transition to the second UH3 stage after NIH administrative review.

2. The UH3 (Stage 2) will support milestone-driven Phase 2a trials to demonstrate that the Agent, made available for this program by the pharmaceutical partners, modulates the target and has the potential to yield the desired clinical outcome in the proposed disease population. The project period for the UH3 stage is up to two years.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-210.html>

Limited Competition for NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules (UH3)

Funding Opportunity Number: (PAR-14-211)

Application Receipt/Submission Date(s): January 16, 2015

Description: The National Center for Advancing Translational Sciences (NCATS) seeks to expand the therapeutics discovery program piloted in 2012, to explore new therapeutic uses for proprietary drug candidates (Agents) across a broad range of human diseases. This innovative program allows investigators to propose new therapeutic uses for Agents from pharmaceutical company partners. A strong application will be supported by scientific evidence that modulation of the Agent's target will have a positive impact on the disease/condition. PAR-14-213 encourages X02 pre-applications for the NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules. The X02 pre-application is the first step in the application process for PAR-14-212, PAR-14-210, and PAR-14-211; applicants must read all of the companion FOAs. The X02 pre-applications will be evaluated by outside experts. Investigators whose X02 pre-applications are judged to be the most meritorious will be notified of the opportunity to submit a UH3 application under this FOA or a UH2/UH3 under PAR-14-212 or a UH2/UH3 application under PAR-14-210 in the case of a pediatric indication. The UH3 will support milestone-driven Phase 2a trials to demonstrate that the Agent, made available for this program by the pharmaceutical partners, modulates the target and has the potential to yield the desired clinical outcome in the proposed disease population.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-211.html>

Limited Competition for NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules (UH2/UH3)

Funding Opportunity Number: (PAR-14-212)

Application Receipt/Submission Date(s): January 16, 2015

Description: The National Center for Advancing Translational Sciences (NCATS) seeks to expand the therapeutics discovery program piloted in 2012 to explore new therapeutic uses for proprietary drug candidates (Agents) across a broad range of human diseases. This innovative program allows investigators to propose new therapeutic uses for Agents from pharmaceutical company partners. A strong application will be supported by scientific evidence that modulation of the Agent's target will have a positive impact on the disease/condition.

PAR-14-213 encourages X02 pre-applications for the NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules. The X02 pre-application is the first step in the application process for PAR-14-212, PAR-14-210, and PAR-14-211; applicants must read all of the companion FOAs. The X02 pre-applications will be evaluated by outside experts. Investigators whose X02 pre-applications are judged to be the most meritorious will be notified of the opportunity to submit a UH2/UH3 application under this FOA or a UH3 under PAR-14-211 or a UH2/UH3 application under PAR-14-210 in the case of a pediatric indication. The UH2/UH3 is a two stage application.

1. The UH2 (Stage 1) may be used to support milestone-driven preclinical studies to verify target engagement in a disease model and/or Phase 1b clinical trials using the selected Agent in its existing formulation/route of administration to identify the dose or exposure of the Agent in the proposed patient group, and inform patient selection. Support for the UH2 may be requested for a period that may vary from six months up to one year. UH2 projects that have met the scientific milestones and feasibility requirements will be eligible for rapid transition to the second UH3 stage after NIH administrative review.
2. The UH3 (Stage 2) will support milestone-driven Phase 2a trials to demonstrate that the Agent, made available for this program by the pharmaceutical partners, modulates the target and has the potential to yield the desired clinical outcome in the proposed disease population. The project period for the UH3 stage is up to two years.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-212.html>

Pre-application for the NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules (X02)

Funding Opportunity Number: (PAR-14-213)

Application Receipt/Submission Date(s): July 15, 2014

Description: The National Center for Advancing Translational Sciences (NCATS) seeks to expand the therapeutics discovery program piloted in 2012, to explore new therapeutic uses for proprietary drug candidates (Agents) across a broad range of human diseases. This innovative program allows investigators to propose new therapeutic uses for Agents from pharmaceutical company partners. A strong application will be supported by scientific evidence that modulation of the Agent's target will have a positive impact on the disease/condition. PAR-14-213 encourages X02 pre-applications for the NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules. The X02 pre-application is the first step in the application process for PAR-14-212, PAR-14-211 and PAR-14-210; applicants must read all of the companion FOAs. The X02 pre-applications will be evaluated by outside experts. Investigators whose X02 pre-applications are judged to be the most meritorious will be notified of the opportunity to submit a UH2/UH3 under PAR-14-212 or a UH3 application under PAR-14-211 or a UH2/UH3 application under PAR-14-210 in the case of a pediatric indication. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-213.html>

NIH StrokeNet Clinical Trials and Biomarker Studies for Stroke Treatment, Recovery, and Prevention (U01)

Funding Opportunity Number: (PAR-14-220)

Application Receipt/Submission Date(s): July 15, 2014; subsequently, beginning with October 5, 2014; Multiple dates, see announcement.

Description: This FOA encourages applications for multi-site exploratory and confirmatory clinical trials focused on promising interventions, as well as biomarker-or outcome measure validation studies that are immediately preparatory to trials in stroke prevention, treatment, and recovery. Successful applicants may be given access to the NIH StrokeNet infrastructure. Following peer review, NINDS will prioritize trials among the highest scoring to be given access to the StrokeNet infrastructure. The StrokeNet National Coordinating Center (NCC) will work with the successful applicant to implement the proposed study efficiently. The StrokeNet National Data Management Center (NDMC) will provide statistical and data management support. The Regional Coordinating Centers (RCCs) of the StrokeNet and their affiliated clinical sites will provide recruitment/retention support as well as on-site implementation of the clinical protocol. The StrokeNet network will also be uniquely poised to collaborate with the NINDS Neurological Emergencies Treatment Trials Network (NETT) and/or other US and international consortia necessary to conduct larger, definitive trials of promising interventions for stroke treatment, prevention, and recovery. Applicants do not need to be part of the existing StrokeNet infrastructure to apply under this FOA. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-220.html>

Clinical Evaluation of Adjuncts to Opioid Therapies for the Treatment of Chronic Pain (R01)

Funding Opportunity Number: (PAR-14-225)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: This announcement aims to fund applications designed to assess the clinical value of adjuncts prescribed to chronic pain patients together with opioid analgesics. Adjuncts of interest are either approved by the FDA or have previously been studied as an Investigational New Drug. Studies with adjuncts of interest should be focused on enhancing analgesia, rather than on reducing an adverse effect. A secondary purpose is to increase awareness among opioid prescribers of the potential value of adjunctive therapies by focused data dissemination. It is hoped that by increasing availability of data describing the use of opioid adjuncts, their use will increase and levels of opioids needed for analgesia will diminish. Reductions in the dosage of opioids prescribed would improve the quality of life of chronic pain patients by reducing opioid-associated adverse effects and lowering the risk of addiction development. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-225.html>

Workers Compensation Surveillance

Funding Opportunity Number: (PAR-14-227)

Application Receipt/Submission Date(s): August 29, 2014, August 31, 2015, August 29, 2016

Description: The purpose of this cooperative agreement is to compile, analyze, and disseminate workers' compensation (WC) data to promote the prevention of occupational injuries, illnesses, fatalities, and exposures to hazards within the states and throughout the nation. The WC Surveillance Cooperative Agreements are intended to provide state health and state WC agencies and other eligible organizations and businesses the resources to initiate or expand state-based WC surveillance and intervention activities. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-227.html>

NIH Science Education Partnership Award (SEPA) (R25)**Funding Opportunity Number:** (PAR-14-228)**Application Receipt/Submission Date(s):** July 30, 2014, June 22, 2015, June 22, 2016

Description: The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The goal of the Science Education Partnership Award (SEPA) program is to invest in educational activities that enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To this end, this funding opportunity announcement (FOA) encourages the development of innovative educational activities for pre-kindergarten to grade 12 (P-12), teachers and students from underserved communities with a focus on Courses for Skills Development, Research Experiences, Mentoring Activities, Curriculum or Methods Development or Informal science Education (ISE) exhibits, and Outreach activities. Details on current ORIP SEPA projects can be found at the following links:

http://dpcpsi.nih.gov/orip/ose/sepa/science_education_partnership_awards_index and <http://nihsepa.org>.

Applicants are strongly encouraged to consult with the SEPA Scientific/Research Contact to be advised on the appropriateness of the intended P-12 STEM or ISE project for the SEPA program objectives and Office of Science Education/SEPA priorities. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-228.html>

Nutrition Obesity Research Centers (NORCs) (P30)**Funding Opportunity Number:** (RFA-DK-14-002)**Application Deadline:** November 25, 2014 and June 18, 2015

Description: This Funding Opportunity Announcement (FOA) invites applications from institutions/organizations that propose to establish core centers that are part of an integrated and existing program of nutrition and/or obesity research. The Nutrition Obesity Research Centers (NORC) program is designed to support and enhance the national research effort in nutrition and obesity. NORCs support three primary research-related activities: Research Core services, a Pilot and Feasibility (P and F) program, and an Enrichment program. All activities pursued by Nutrition Obesity Research Centers are designed to enhance the efficiency, productivity, effectiveness and multidisciplinary nature of research in nutrition and obesity. The NIDDK Nutrition Obesity Research Centers program in 2014 consists of 12 Centers, each located at outstanding research institutions with documented programs of excellence in nutrition and/or obesity research. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-002.html>

Silvio O. Conte Digestive Diseases Research Core Centers (P30)**Funding Opportunity Number:** (RFA-DK-14-012)**Application Deadline:** November 19, 2014

Description: This Funding Opportunity Announcement (FOA) invites applications for Silvio O. Conte Digestive Diseases Research Core Centers (DDRCCs). The DDRCCs are part of an integrated program of digestive and liver diseases research support provided by the NIDDK. The purpose of this Centers program is to bring together basic and clinical investigators as a means to enhance communication, collaboration, and effectiveness of ongoing research related to digestive and/or liver diseases. DDRCCs are based on the core concept, whereby shared resources aimed at fostering productivity, synergy, and new research ideas among the funded investigators are supported in a cost-effective manner. Each proposed DDRCC must be organized around a central theme that reflects the focus of the digestive or liver diseases research of the Center members.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-012.html>

Development of an Integrated Mathematical Model for Comparative Characterization of Complex Molecules (U01)**Funding Opportunity Number:** (RFA-FD-14-082)**Application Deadline:** June 30, 2014

Description: The goal of this project is to develop a mathematical algorithm or model to integrate in vitro chemical and biological characterization data to determine the degree of sufficiency of in vitro chemical and biological characterization assays, with respect to demonstrating similarity or sameness of the follow-on or generic version of macromolecules or complex drug substances to their reference products. The integrated mathematical and analytical approach developed in this project is expected to provide a "coherent picture" of molecular structure for complex macromolecules or drug substances, and thus may help to determine the extent to which the preclinical and/or clinical studies will be needed for generic or follow-on version of drug products containing these complex

molecules. <http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-082.html>

Development of Process Simulation and Modeling Tools for Integrated Pharmaceutical Manufacturing Processes (U01)

Funding Opportunity Number: (RFA-FD-14-083)

Application Deadline: June 30, 2014

Description: The goal of this project is to develop a process simulation and modeling platform for integrated pharmaceutical manufacturing processes. Specifically, the project will focus on manufacturing processes for solid based drug products which comprise the majority of pharmaceutical products. The tools developed during this project will be used to facilitate the risk assessment of manufacturing processes and control strategies and to identify critical material and process attributes through sensitivity analysis. The project will advance the understanding of how raw material attributes and process parameters affect quality of the final drug product.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-083.html>

Advancing Research in Voice Disorders (R21)

Funding Opportunity Number: (PA-14-235)

Application Deadline: Multiple dates, see announcement.

Description: This funding opportunity announcement (FOA) seeks Research Project Grant (R21) applications that are focused on advancing our scientific knowledge of the Human Larynx and Human Voice Production in Health and Disease and optimal ways to prevent, evaluate, diagnose and clinically manage voice disorders.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-235.html>

Advancing Research in Voice Disorders (R01)

Funding Opportunity Number: (PA-14-236)

Application Deadline: Multiple dates, see announcement.

Description: This funding opportunity announcement (FOA) seeks Research Project Grant (R01) applications that are focused on advancing our scientific knowledge of the Human Larynx and Human Voice Production in Health and Disease and optimal ways to prevent, evaluate, diagnose and clinically manage voice disorders.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-236.html>

NIOSH Support for Conferences and Scientific Meetings (U13)

Funding Opportunity Number: (PAR-14-229)

Application Deadline: Multiple dates, see announcement.

Description: The purpose of the NIOSH Conference and Scientific Meeting Cooperative Program (U13) is to support high quality and impact scientific conferences/meetings that are relevant to NIOSH's scientific mission, program priorities, and to the public health. The conference cooperative agreement program is integral to the overall mission of NIOSH. An application should address and advance the field of occupational safety and health (<http://www.cdc.gov/niosh/programs/> and <http://www.cdc.gov/niosh/nora/default.html>). A conference/scientific meeting is defined as a gathering, symposium, seminar, scientific meeting, workshop or any other organized and formal meeting where persons assemble or meet virtually to coordinate, exchange, and disseminate information or to explore or clarify a defined subject, problem, or area of knowledge. Applications for training-only events will not be considered under this announcement. For training opportunities, NIOSH recommends that an interested individual visit the NIOSH webpage for sponsored Education and Research Centers and Training Program Grants at <http://www.cdc.gov/niosh/oep/default.html>. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-229.html>

Exploratory Studies of Smoking Cessation Interventions for People with Schizophrenia (R21/R33)

Funding Opportunity Number: (PAR-14-230)

Application Deadline: August 15, 2014, December 16, 2014, April 15, 2015, August 17, 2015, December 15, 2015, April 15, 2016, August 16, 2016, December 15, 2016, April 17, 2017; AIDS Date: August 15, 2014, December 16, 2014, April 15, 2015, August 17, 2015, December 15, 2015; April 15, 2016, August 16, 2016, December 15, 2016, April 17, 2017

Description: The purpose of this Funding Opportunity Announcement (FOA) is to provide support for grant applications to generate and conduct preliminary tests of targeted smoking cessation treatments for individuals with schizophrenia. Smokers with schizophrenia who have co-occurring alcohol and/or substance abuse disorders are

also a population of interest. This FOA encourages Phased Innovation (R21/R33) applications that focus on early-stage, treatment generation and pilot clinical trials that are consistent with an experimental therapeutic approach. This approach requires the identification of a theory-derived target based on putative mechanisms of nicotine addiction in individuals with schizophrenia, and clear hypotheses about how an intervention directed at changing the target can lead to clinical benefits. Studies of novel interventions include, but are not limited to behavioral, pharmacological, physiological, learning- and device-based treatment approaches and targets thereof. This FOA provides support for up to two years (R21 phase) for protocol development and target identification and engagement studies, followed by up to 3 years of support (R33 phase) for exploratory/pilot studies to further evaluate target engagement and its prospective association with clinical benefits, and to evaluate the feasibility of conducting a larger trial. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-230.html>

Exploratory Studies of Smoking Cessation Interventions for People with Schizophrenia (R33)

Funding Opportunity Number: (PAR-14-231)

Application Deadline: August 15, 2014, December 16, 2014, April 15, 2015, August 17, 2015, December 15, 2015, April 15, 2016, August 16, 2016, December 15, 2016, April 17, 2017; AIDS Date: August 15, 2014, December 16, 2014, April 15, 2015, August 17, 2015, December 15, 2015, April 15, 2016, August 16, 2016, December 15, 2016, April 17, 2017

Description: The purpose of this Funding Opportunity Announcement (FOA) is to provide support for grant applications of two major types. Type I will conduct exploratory testing of novel, targeted treatments for smoking cessation for individuals with schizophrenia. Type II will conduct exploratory testing of targeted implementation strategies of existing efficacious treatments at the service-delivery system level. Smokers with schizophrenia who have co-occurring alcohol and/or substance abuse disorders are also a population of interest. Under this FOA, trials should be designed so that results, whether positive or negative, will provide information of high scientific utility and will support decisions about further development or testing of interventions or implementation strategies. Studies of novel interventions include, but are not limited to behavioral, pharmacological, biologics-based, cognitive, device-based, interpersonal, physiological, or combined approaches. The R33 funding mechanism provides support for up to 3 years, for either application type. Ultimately, this R33 funding mechanism intends to speed the translation of emerging basic science findings of mechanisms and processes underlying treatments or implementation strategies into novel intervention approaches that can be efficiently tested for their promise to promote smoking cessation in individuals who have schizophrenia (Type I) or promote the adoption of experimentally-supported smoking cessation interventions within organizations that provide services to smokers with schizophrenia (Type II). <http://grants.nih.gov/grants/guide/pa-files/PAR-14-231.html>

NEI Center Core Grants for Vision Research (P30)

Funding Opportunity Number: (PAR-14-232)

Application Deadline: September 30, 2014; September 30, 2015; September 30, 2016

Description: An NEI Center Core Grant combines three or more Resource and/or Service Cores for a group of R01 investigators to enhance their research, consolidate resources, avoid duplication of efforts, and/or contribute to cost effectiveness by providing a service with lower cost or higher quality than could be attempted for independent projects by several individual Program Directors/Principal Investigators (PD(s)/PI(s)). Shared resources and facilities that are accessible to a group of independently funded investigators lead to greater productivity for the separate projects, and can provide instrumentation and facilities that are too costly to be maintained by an individual investigator. The design and purpose of each Center Core may vary in how it serves its users. This program is designed to enhance an institution's environment and capability to conduct vision research and to facilitate collaborative studies of the visual system and its disorders. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-232.html>

National Cooperative Drug Discovery/Development Groups (NCDDG) for the Treatment of Mental Disorders, Drug or Alcohol Addiction (U19)

Funding Opportunity Number: (PAR-14-234)

Application Deadline: June 23, 2014; October 23, 2014; February 23, 2015; June 23, 2015; October 23, 2015; February 23, 2016; June 23, 2016; October 24, 2016; February 23, 2017

Description: The purpose of the National Cooperative Drug Discovery/Development Group (NCDDG) Program is to create multidisciplinary research groups or partnerships for the discovery of pharmacological agents to treat and

to study mental illness or drug or alcohol addiction. The objectives of this program are to: accelerate innovative drug discovery; develop pharmacologic tools for basic and clinical research on mental disorders, or drug or alcohol addiction; develop and validate tools in support of experimental therapeutic studies of innovative new candidates for mental disorders; and support early phase human clinical testing to rapidly assess the safety and efficacy of promising drug candidates and new indications for IND-ready agents for the treatment of mental disorders or alcohol addiction. This FOA encourages applications to advance the discovery, preclinical development, and proof of concept testing of new, rationally based candidate agents to treat mental disorders or drug or alcohol addiction, and to develop novel ligands as tools to further characterize existing or to validate new drug targets. Partnerships between academia and industry are strongly encouraged. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-234.html>

FDA Scientific Conference Grant Program (R13/U13)

Funding Opportunity Number: (PAR-14-237)

Application Deadline: After July 15, 2014 deadline the July 15 date will no longer be valid. January 15, 2015 and June 15, 2015 by 11:59 PM Eastern Time January 15, 2016 and June 15, 2016 by 11:59 PM Eastern Time January 16, 2017 (Monday) and June 15, 2017 by 11:59 PM Eastern Time

Description: The purpose of the FDA (R13) Conference Grant and (U13) Cooperative Agreement is to facilitate the provision of federal financial assistance in support of small conferences and scientific meetings clearly aligned with the FDA mission. Prior approval (advance permission) is required before submission of an application for conference support. Advance permission to submit an application must be requested early in the process and no later than 8 weeks before the application submission date. Permission to submit a conference grant application does not assure funding or funding at the level requested. FDA will not issue a conference grant award unless it can be issued before the conference start date. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-237.html>

National Science Foundation

Workforce Program in the Mathematical Sciences

Funding Opportunity Number: PD-08-7335

Application Deadline: June 15, 2014

Description: The long-range goal of the DMS Workforce Program is to increase the number of well-prepared U.S. citizens, nationals, and permanent residents who successfully pursue careers in the mathematical sciences and in other NSF-supported disciplines. Among intermediate goals to this end are improvements in recruitment, retention, education, and placement of trainees in the mathematical sciences. The program's primary interest is in activities centered on education through research involvement for trainees at the undergraduate through postdoctoral educational levels. Activities that broaden participation in the mathematical sciences are of significant interest to the Division of Mathematical Sciences. The program is particularly interested in activities that improve:

- recruitment and retention: increasing the number and diversity of U.S. students who successfully pursue undergraduate and graduate degrees in mathematics and statistics;
- educational breadth: broadening graduate education and undergraduate education content in the mathematical sciences to prepare students for a wider range of career opportunities; and
- professional development: enhancing the professional skills of mathematical sciences postdoctoral associates, graduate students, and undergraduate students to better prepare them for both academic and nonacademic employment.

The program welcomes unsolicited proposals for activities that address the program goals in innovative and creative ways. Proposals must clearly identify:

- the goals to be achieved;
- the specific new activities to be conducted, the way in which these address the goals, and the way in which the activities significantly differ from or enhance common practice;
- measurable proposed outcomes for the project;
- specific methods for evaluation of the success of the activity and for assessment of progress toward the goals to be achieved, and
- a budget commensurate with the proposed activity.

The program particularly seeks unsolicited proposals for activities that are:

- novel and potentially transformative, in that they promise extraordinary outcomes;

- portable, in the sense that they potentially can be duplicated at other institutions;
- sustainable, meaning that the activity can be continued in the absence of external funding;
- likely to have large impact in terms of the numbers of trainees affected; and in that they can serve as national models for education through research involvement.

Proposers are advised to contact one of the cognizant program directors prior to submitting a proposal. The program has an annual submission window for unsolicited proposals of May 15 through June 15. (Unsolicited proposals received at other times will be returned without review.)

The Workforce Program also administers several more structured training activities, proposals for which are submitted in response to specific solicitations:

1. Research Training Groups in the Mathematical Sciences (RTG)
2. Mentoring through Critical Transition Points in the Mathematical Sciences (MCTP)
3. Mathematical Sciences Postdoctoral Research Fellowships (MSPRF)
4. Research Experiences for Undergraduates Sites (REU)
5. Expeditions in Training, Research, and Education for Mathematics and Statistics through Quantitative Explorations of Data (EXTREEMS-QED)

Please note that the deadline dates for submission of proposals in response to these specific solicitations differ from the submission-window dates for unsolicited proposals.

In addition to the Intellectual Merit and Broader Impacts merit review criteria, NSF staff will give careful consideration to the following in making funding decisions:

Integration of Research and Education

One of the principal strategies in support of NSF's goals is to foster integration of research and education through the programs, projects, and activities it supports at academic and research institutions. These institutions provide abundant opportunities where individuals may concurrently assume responsibilities as researchers, educators, and students and where all can engage in joint efforts that infuse education with the excitement of discovery and enrich research through the diversity of learning perspectives.

Integrating Diversity into NSF Programs, Projects, and Activities

Broadening opportunities and enabling the participation of all citizens—women and men, underrepresented minorities, and persons with disabilities—is essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503233

Scalable Nanomanufacturing

Funding Opportunity Number: 14-544

Application Deadline: June 16, 2014

Description: The National Science Foundation (NSF) announces a fourth year of a program on collaborative research and education in the area of scalable nanomanufacturing, including the long-term societal implications of the large-scale implementation of nanomanufacturing innovations. This program is in response to and is a component of the national nanotechnology initiative signature initiative: sustainable nanomanufacturing - creating the industries of the future (<http://www.nano.gov/node/611>). Although many nanofabrication techniques have demonstrated the ability to fabricate small quantities of nanomaterials, nanostructures and nanodevices for characterization and evaluation purposes, the emphasis of the scalable nanomanufacturing program is on research to overcome the key scientific and technological barriers that prevent the production of useful nanomaterials, nanostructures, devices and systems at an industrially relevant scale, reliably, and at low cost and within environmental, health and safety guidelines. Competitive proposals will incorporate three elements in their research plans:

- A persuasive case that the nanomaterials, nanostructures, devices or systems to be produced have or are likely to have sufficient demand to justify eventual scale-up;
- A clearly identified set of research issues for science and engineering solutions that must be addressed to enable the production of high quality nano-enabled products at low cost; and

- A compelling research plan with clear research objectives and approaches to overcome the identified research issues.

The mode of support is Nanoscale Interdisciplinary Research Teams (NIRT). Proposals submitted to this program should consider addressing aspects of the nanomanufacturing value chain:

- Novel scalable processes and techniques for large-area or continuous manufacturing of nano-scale structures and their assembly/integration into higher order systems;
- Fundamental scientific research in well-defined technical areas that are compellingly justified as approaches to overcome critical barriers to scale-up and integration; and
- Design principles for production systems leading to nanomanufacturing platforms; identification of metrology, instrumentation, standards and control methodologies needed for process control and to assess quality and yield.

Competitive proposals are expected to address the training and education of students in nanomanufacturing. While not required, the involvement of an industrial partner or partners is strongly encouraged and has the potential to significantly strengthen a proposal. Other research and education projects in nanoscale science and engineering will continue to be supported in the relevant programs and divisions. Please see requirements for submitting proposals for collaborations; a single proposal with sub-contracts must be submitted for collaborations and the submission of separate proposals from multiple investigators for collaborative projects ('collaborative proposals') is not allowed. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14544

Innovation Corps Teams Program

Funding Opportunity Number: 12-602

Application Deadline: June 16, 2014

Description: The National Science Foundation (NSF) seeks to develop and nurture a national innovation ecosystem that builds upon fundamental research to guide the output of scientific discoveries closer to the development of technologies, products and processes that benefit society. In order to jumpstart a national innovation ecosystem, NSF has established the NSF Innovation Corps Teams Program (NSF I-Corps Teams). The NSF I-Corps Teams purpose is to identify NSF-funded researchers who will receive additional support - in the form of mentoring and funding - to accelerate innovation that can attract subsequent third-party funding. The purpose of the NSF I-Corps Teams grant is to give the project team access to resources to help determine the readiness to transition technology developed by previously-funded or currently-funded NSF projects. The outcomes of I-Corps Teams projects will be threefold: 1) a clear go or no go decision regarding viability of products and services, 2) should the decision be to move the effort forward, a transition plan for those projects to move forward, and 3) a technology demonstration for potential partners. **WEBINAR:** A webinar will be held on the first Tuesday of every month to answer questions about this program. Details will be posted on the I-Corps website (see http://www.nsf.gov/news/special_reports/i-corps/program.jsp) as they become available. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12602

Perception, Action & Cognition

Funding Opportunity Number: PD-09-7252

Application Deadline: June 16, 2014

Description: Supports research on perception, action and cognition. Emphasis is on research strongly grounded in theory. Central research topics for consideration by the Perception, Action, and Cognition panel include vision, audition, haptics, attention, memory, reasoning, written and spoken discourse, and motor control. The program encompasses a wide range of theoretical perspectives, such as symbolic computation, connectionism, ecological, nonlinear dynamics, and complex systems, and a variety of methodologies including both experimental studies and modeling. The PAC program is open to co-review of proposals submitted to other programs (e.g., Linguistics, Developmental and Learning Sciences, Cognitive Neuroscience, etc.). Proposals may involve clinical populations, animals, or computational modeling only if the work has direct impact on basic issues of human perception, action, or cognition. Within one week of receipt of the proposal number from FastLane, each PI must send the following two documents via email to sbe-pac@nsf.gov. The subject heading of the email should note the proposal number and the Principal Investigator. Attach the following documents prepared on the following templates. An Excel spreadsheet with two worksheet pages that will be used by NSF to check for conflicts of interest in assembling the

review community. (Excel Template for PAC). A single PowerPoint slide with (a) name and affiliation of all senior personnel, (b) title of your proposal, and (c) a very brief (1-3 sentences at most) summary of the main hypotheses and methods. The slide may only include graphs, images, or other illustrations if they appear in the proposal. You must use the template (PowerPoint Template for PAC) and name the file with the PI's last name followed by the seven digit proposal number (e.g., Smith 127999). This will be used during review panel discussions. Remember to email these two documents to: sbe-pac@nsf.gov; **do not use FastLane**. Additional Funding Opportunities for the PAC Community may be found at http://www.nsf.gov/funding/pgm_list.jsp?org=BCS http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686

Cultivating Cultures for Ethical STEM

Funding Opportunity Number: 14-546

Application Deadline: June 17, 2014

Description: Cultivating Cultures for Ethical STEM (CCE STEM) funds research projects that identify factors that are efficacious in the formation of ethical STEM researchers in all the fields of science and engineering that NSF supports. CCE STEM solicits proposals for research that explores the following: 'What constitutes ethical STEM research and practice? Which cultural and institutional contexts promote ethical STEM research and practice and why?' Factors one might consider include: honor codes, professional ethics codes and licensing requirements, an ethic of service and/or service learning, life-long learning requirements, curricula or memberships in organizations (e.g. Engineers without Borders) that stress social responsibility and humanitarian goals, institutions that serve under-represented groups, institutions where academic and research integrity are cultivated at multiple levels, institutions that cultivate ethics across the curriculum, or programs that promote group work, or do not grade. Do certain labs have a "culture of academic integrity"? What practices contribute to the establishment and maintenance of ethical cultures and how can these practices be transferred, extended to, and integrated into other research and learning settings?

Successful proposals will include a comparative dimension, either between or within institutional settings that differ along these or other factors. CCE STEM research projects will use basic research to produce knowledge about what constitutes responsible or irresponsible, just or unjust scientific practices and sociotechnical systems, and how to best instill students with this knowledge. Proposals for awards from minority-serving institutions (e.g. Tribal Colleges and Universities, Historically Black Colleges and Universities, Hispanic-Serving Institutions, Alaska Native or Native Hawaiian Serving Institutions), women's colleges, and institutions primarily serving persons with disabilities are strongly encouraged. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14546

National Science Foundation Research Traineeship Program (NRT)

Funding Opportunity Number: 14-548

Application Deadline: June 24, 2014

Description: The NSF Research Traineeship (NRT) program is designed to encourage the development of bold, new, potentially transformative, and scalable models for STEM graduate training that ensure that graduate students develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. The NRT program initially has one priority research theme - Data-Enabled Science and Engineering (DESE); in addition, proposals are encouraged on any other crosscutting, interdisciplinary theme. In either case, proposals should identify the alignment of project research themes with national research priorities and the need for innovative approaches to train graduate students in those areas. NRT projects should develop evidence-based, sustainable approaches and practices that substantially improve STEM graduate education for NRT trainees and for STEM graduate students broadly at an institution. NRT emphasizes the development of competencies for both research and research-related careers. Strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, museums, and academic partners that enhance research quality and impacts and that facilitate development of technical and transferrable professional skills are encouraged. Creation of sustainable programmatic capacity at institutions is an expected outcome. Proposals accordingly are expected to describe how institutions will support the continuation and institutional-level scaling of effective training elements after award closure. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14548

Innovation Corps Sites Program**Funding Opportunity Number:** 14-547**Application Deadline:** June 27, 2014

Description: The National Science Foundation (NSF) seeks to develop and nurture a national innovation ecosystem that builds upon research to guide the output of scientific discoveries closer to the development of technologies, products and processes that benefit society. In order to contribute to a national innovation ecosystem, NSF established the NSF Innovation Corps Sites Program (NSF I-Corps Sites). Sites are funded at academic institutions, having already existing innovation or entrepreneurial units, to enable them to:

- Nurture students and/or faculty who are engaged in projects having the potential to be transitioned into the marketplace. I-Corps Sites will provide infrastructure, advice, resources, networking opportunities, training and modest funding to enable groups to transition their work into the marketplace or into becoming I-Corps Team applicants (see NSF Innovation Corps Program, NSF 12-602).
- Develop formal, active, local innovation ecosystems that contribute to a larger, national network of mentors, researchers, entrepreneurs and investors.

The purpose of an I-Corps Site is to nurture and support multiple, local teams to transition their ideas, devices, processes or other intellectual activities into the marketplace.

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14547

Software Infrastructure for Sustained Innovation – SSE & SSI**Funding Opportunity Number:** 14-520**Application Deadline:** June 27, 2014

Description: Software is an integral enabler of computation, experiment and theory and a primary modality for realizing the Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21) vision, as described in <http://www.nsf.gov/pubs/2010/nsf10015/nsf10015.jsp>. Scientific discovery and innovation are advancing along fundamentally new pathways opened by development of increasingly sophisticated software. Software is also directly responsible for increased scientific productivity and significant enhancement of researchers' capabilities. In order to nurture, accelerate and sustain this critical mode of scientific progress, NSF has established the Software Infrastructure for Sustained Innovation (SI2) program, with the overarching goal of transforming innovations in research and education into sustained software resources that are an integral part of the cyberinfrastructure. SI2 is a long-term investment focused on catalyzing new thinking, paradigms, and practices in developing and using software to understand natural, human, and engineered systems. SI2's intent is to foster a pervasive cyberinfrastructure to help researchers address problems of unprecedented scale, complexity, resolution, and accuracy by integrating computation, data, networking, observations and experiments in novel ways. NSF expects that its SI2 investment will result in robust, reliable, usable and sustainable software infrastructure that is critical to achieving the CIF21 vision and will transform science and engineering while contributing to the education of next generation researchers and creators of future cyberinfrastructure. Education at all levels will play an important role in integrating such a dynamic cyberinfrastructure into the fabric of how science and engineering is performed. It is expected that SI2 will generate and nurture the interdisciplinary processes required to support the entire software lifecycle, and will successfully integrate software development and support with innovation and research. Furthermore, it will result in the development of sustainable software communities that transcend scientific and geographical boundaries. SI2 envisions vibrant partnerships among academia, government laboratories and industry, including international entities, for the development and stewardship of a sustainable software infrastructure that can enhance productivity and accelerate innovation in science and engineering. The goal of the SI2 program is to create a software ecosystem that includes all levels of the software stack and scales from individual or small groups of software innovators to large hubs of software excellence. The program addresses all aspects of cyberinfrastructure, from embedded sensor systems and instruments, to desktops and high-end data and computing systems, to major instruments and facilities. Furthermore, it recognizes that integrated education activities will play a key role in sustaining the cyberinfrastructure over time and in developing a workforce capable of fully realizing its potential in transforming science and engineering.

The SI2 program includes three classes of awards:

1. Scientific Software Elements (SSE): SSE awards target small groups that will create and deploy robust software elements for which there is a demonstrated need that will advance one or more significant areas of science and engineering.

2. Scientific Software Integration (SSI): SSI awards target larger, interdisciplinary teams organized around the development and application of common software infrastructure aimed at solving common research problems faced by NSF researchers in one or more areas of science and engineering. SSI awards will result in a sustainable community software framework serving a diverse community or communities.

3. Scientific Software Innovation Institutes (S2I2): S2I2 awards will focus on the establishment of long-term hubs of excellence in software infrastructure and technologies, which will serve a research community of substantial size and disciplinary breadth.

This solicitation includes SSE and SSI classes of awards only.

Please refer to i) A Vision and Strategy for Software for Science, Engineering, and Education (NSF 12-113) and (ii) Implementation of NSF Software Vision (http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504817) for further information about NSF's vision for software as part of cyberinfrastructure and the programs that support this vision. Prospective Principal Investigators (PIs) should be aware that SI2 is a multi-directorate activity and that they are encouraged to submit proposals for software with broad, interdisciplinary interest. PIs are encouraged to refer to core program descriptions, Dear Colleague Letters, and recently posted initiatives on directorate and divisional home pages to gain insight as to the priorities for the relevant area(s) of science to which their proposal may be responsive. As not all divisions are participating at the same level and division priorities differ, it is strongly recommended that prospective PIs contact program officer(s) from the list of Cognizant Program Officers in the division(s) that typically support the scientists and engineers who would make use of the proposed work, to ascertain that the scientific focus and budget of the proposed work are appropriate for this solicitation.

Please note that some NSF units have additional specific information about their participation in this program:

- Computer & Information Science & Engineering (CISE)
 - The Division of Advanced Cyberinfrastructure (ACI) manages the SI2 program, and is interested in proposals that develop multidisciplinary and omnidisciplinary software cyberinfrastructure.
 - CISE's other divisions (CCF, CNS, IIS) are interested in supporting SSE and SSI proposals that advance software infrastructure to sustain progress in CISE research areas and that advance and adapt Software Engineering research to impact the software sustainability needs of other scientific disciplines.
- Biological Sciences (BIO) is primarily interested in SSI proposals that impact both BIO-supported researchers and those supported by other directorates. PIs wishing to submit Scientific Software Elements (SSE) level projects that focus on biological sciences should consider submitting to Advances in Biological Informatics (ABI) — http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5444 — for the August deadline.
- Education and Human Resources (EHR) is interested in proposals that focus on innovative software infrastructure that supports the Directorate's research areas.
- Engineering (ENG) is primarily interested in proposals that focus on innovative computational tools that enable advances and scientific discovery in the Division of Chemical, Bioengineering, Environmental, and Transport Systems (CBET), the Division of Civil, Mechanical and Manufacturing Innovation (CMMI), and the Division of Electrical, Communications and Cyber Systems (ECCS) research areas. SSE proposals that are planned to become part of larger SSI-type integrated software systems, leading to increased community involvement, will be given priority in SSE funding decisions. ECCS is particularly interested in proposals which provide wider, more flexible access to more advanced general algorithms in the areas of electronic and photonics device simulation (accounting for quantum manybody effects), computational intelligence, nonlinear optimization or energy system design. Systems which facilitate porting to massively parallel architectures such as cellular neural networks, memristive systems, or GPU networks would be of special interest.
- Geosciences (GEO) is interested in software development projects that serve the academic geosciences (atmosphere and geospace, ocean, earth and polar sciences). Projects must demonstrate strong connections with geosciences end-users and their research needs. Understanding of and integration with GEO and/or NSF investments in cyberinfrastructure, participation in EarthCube and interaction between geo- and cyber/computer scientists will be considered in prioritizing funding of SSI and SSE projects. PIs should contact and consult with both the SI2 GEO Program Officer, as well as Program Officers in the relevant geosciences domains.

- Mathematics and Physical Sciences (MPS):
 - The Division of Materials Research (MPS/DMR) is particularly interested in projects that develop software tools to enable and support research under the Materials Genome Initiative, such as Designing Materials to Revolutionize and Engineer our Future (DMREF; see NSF 13-026), and under Sustainable Chemistry, Engineering, and Materials SusChEM; see NSF 12-097).
 - The Chemistry Division (MPS/CHE) will consider proposals that focus on innovative computational tools that enable advances in the division's research areas.
 - The Physics Division (MPS/PHY) will consider proposals that focus on innovative computational tools that enable advances in the division's research areas.
 - The Division of Astronomical Sciences (MPS/AST) will consider proposals to support the development of sustainable software that will enable broad community progress on key questions in astronomy and astrophysics.
 - The Division of Mathematical Sciences (MPS/DMS) would welcome proposals building computational tools that have broad application in mathematical sciences and related areas.
 - MPS supports education and community development in cyberinfrastructure, for example, through proposals that include visitor support (particularly for graduate students and postdoctoral researchers), postdoctoral opportunities, or short training courses that increase interactions of domain scientists and software and/or cyberinfrastructure specialists.
- The Social, Behavioral & Economic Sciences (SBE) is interested in proposals that focus on innovative software infrastructure that supports the Directorate's research priorities, such as those outlined in SBE 2020 (http://www.nsf.gov/sbe/sbe_2020/). In particular, SBE is interested in proposals that will further the goals of SBE and at least one of the other directorates participating in this solicitation.

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14520

U.S. Science Support Program associated with the International Ocean Discovery Program

Funding Opportunity Number: 14-549

Application Deadline: June 30, 2014

Description: The International Ocean Discovery Program (IODP) will serve to advance basic research in the marine geosciences and will be supported by the National Science Foundation (NSF) and more than 20 international partners. The IODP builds on a rich legacy of scientific ocean drilling pioneered by the NSF in the 1960's with the Deep Sea Drilling Project, which provided a test of the plate tectonic hypothesis and a basic reconnaissance of deep-sea sediments and crustal rocks. The Ocean Drilling Program followed in 1985 and focused on examination of earth, ocean and climate processes. The Integrated Ocean Drilling Program, which began in 2003, served as an expanded program of scientific ocean drilling that used multiple drilling platforms and new technologies. The IODP commenced October 1, 2013 and builds upon lessons learned in the previous programs to implement a multi-platform international program based on cooperation rather than integration. This solicitation seeks the services of a qualified provider to facilitate and enhance the participation of the U.S. scientific community in the IODP. The initial period of the award, to be administered as a Cooperative Agreement, is intended to cover the period March 1, 2015 through February 28, 2020. A Program review will be held prior to completion of the initial period and the results will guide a decision to either re-compete or renew the Cooperative Agreement for a second five-year period. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14549

Archaeology and Archaeometry

Funding Opportunity Number: PD-98-1391

Application Deadline: July 1, 2014

Description: The Archaeology Program provides support for anthropologically relevant archaeological research at both a "senior" and doctoral dissertation level. It also funds anthropologically significant archaeometric research and high risk exploratory research proposals. For more information about multi-disciplinary research and training opportunities, please visit the SBE Office of Multidisciplinary Activities (SMA) web site. Also, for more information on the Doctoral Dissertation Improvement Grants, please visit the Archaeology specific page. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11690

Tectonics

Funding Opportunity Number: 09-542

Application Deadline: July 7, 2014

Description: The Tectonics Program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the formation, evolution, and deformation of continental lithosphere through time. Proposals to elucidate the processes that act on the lithosphere at various time-scales and length-scales, either at depth or the surface, are encouraged. Because understanding such large-scale phenomena commonly requires a variety of expertise and methods, the Tectonics Program supports integrated research involving the disciplines of structural geology, petrology, geochronology, sedimentology, stratigraphy, geomorphology, rock mechanics, paleomagnetism, geodesy, and other geophysical techniques.

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf09542

International Research Network Connections

Funding Opportunity Number: 14-554

Application Deadline: July 7, 2014

Description: The International Research Network Connections (IRNC) program supports high performance network connectivity required by international science and engineering research and education collaborations involving the NSF research community. NSF expects to make a set of awards to: (1) link U.S. research networks with peer networks in other parts of the world and leverage existing international network connectivity; (2) support U.S. infrastructure and innovation of open network exchange points; (3) drive innovation and state-of-the-art capabilities for Research and Education (R&E) Network Operation Centers (NOC); (4) stimulate the development, application and use of advanced network measurement capabilities and services across international network paths; and (5) support community engagement in training and human and network capacity building, and coordination in advanced network engineering. High performance network connections funded by this program are intended to support science and engineering research and education applications, and preference will be given to solutions which provide the best economy of scale and demonstrate the ability to support the largest communities of interest with the broadest services. Funded projects will assist the U.S. research and education community by enabling state-of-the-art international network services and access to increased collaboration and data services. Through extended international network connections, additional research and production network services will be enabled, complementing those currently offered or planned by domestic research networks.

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14554

Advancing Informal STEM Learning

Funding Opportunity Number: 14-555

Application Deadline: July 10, 2014

Description: The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; advance innovative research on and assessment of STEM learning in informal environments; and develop understandings of deeper learning by participants. The AISL program supports six types of projects: (1) Pathways, (2) Research in Service to Practice, (3) Innovations in Development, (4) Broad Implementation, (5) Conferences, Symposia, and Workshops, and (6) Science Learning+ Proposals. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14555

USAID

Emerging Pandemic Threats Program 2, Preparedness

Funding Opportunity Number: RFA-OAA-14-000020

Application Deadline: June 10, 2014

Description: The goal of the Preparedness and Response (P&R) project is to enable national governments to establish and strengthen systems, policies, and practices for prevention, detection, response, and control of emerging disease threats - especially zoonotic diseases. <http://www.grants.gov/web/grants/search-grants.html?keywords=%20RFA-OAA-14-000020>

Improving Post Harvest Loss Through Household Seed Storage Models for Vulnerable Populations in Jamaica

Funding Opportunity Number: APS-OFDA-14-000007

Application Deadline: October 4, 2014

Description: USAID/OFDA's mandate is to save lives, alleviate human suffering, and reduce the economic impact of disasters worldwide. In order to achieve this goal, USAID/OFDA seeks to mitigate the effects of post-harvest losses to grain and seed through the development of replicable and sustainable seed storage systems, constructed at household or community level. Under this APS, USAID/OFDA is specifically looking for innovative methods or research programs, preferably building upon traditional seed storage methods that are culturally acceptable and do not require long-term input from an outside source. While proposals that focus on community-level storage methods will be considered, preference will be given to systems that are functional and sustainable at the household level. <http://www.grants.gov/web/grants/search-grants.html?keywords=.%20APS-OFDA-14-000007>

Request for Applications (RFA) No. RFA-112-14-000001 Azerbaijan Media Support Activity (AMSA)

Funding Opportunity Number: RFA-112-14-000001

Application Deadline: July 7, 2014 (10:00 Hours Local Baku Time)

Description: The United States Agency for International Development (USAID) is seeking applications for Assistance Agreements for funding to support a program entitled "Azerbaijan Media Support Activity (AMSA)" in Azerbaijan. The authority for the RFA is found in the Foreign Assistance Act of 1961, as amended. Please refer to the Program Description for a complete statement of goals and expected results.

<http://www.grants.gov/web/grants/search-grants.html?keywords=RFA-112-14-000001>

USAID/GHANA'S STRENGTHENING ACCOUNTABILITY MECHANISMS PROJECT

Funding Opportunity Number: AID-RFA-641-14-000009

Application Deadline: July 7, 2014

Description: In the context of decentralized government, improved accountability offers opportunity to monitor local officials and service delivery outcomes with an eye toward limiting corruption and demanding public services. Social accountability mechanisms strengthen citizens' capability to gather the requisite information to hold public officials accountable, and demand better services on a day-to-day basis. USAID/Ghana has decided to focus its support for local governance on the fundamental need to strengthen accountability mechanisms for improved development outcomes. Improved accountability is expected to have a significant positive effect on the incentives of politicians and technocrats within local governments to engage in "good governance" as defined by reduced corruption, stronger effort by officials, and improved development spending. This, in turn, is expected to enhance the effectiveness, efficiency and equity of local government capital budgeting and execution while improving citizen perceptions of the quality of governance. Additionally a randomized control trial design for a potential impact evaluation of hierarchical and social accountability mechanisms in local governance and service delivery is critical for determining the cause and effect of project interventions. USAID/Ghana's Strengthening Accountability Mechanisms Project (GSAM) is therefore a direct response to these identified priorities. The project is characterized by three main components. **IMPORTANT NOTE: THE APPLICANT WILL ONLY CARRY OUT COMPONENT 2.** Component 2: Improve accountability by enhancing mechanisms of bottom-up social accountability in local governance. This component includes programming aimed at increasing in the quality and quantity of information available to citizens about the effectiveness of development projects funded by local government capital budgets via extensive civil society monitoring, the production of scorecards, and public information campaigns that mobilize citizens to use the scorecards to demand improved development planning and execution. <http://www.grants.gov/web/grants/search-grants.html?keywords=%20AID-RFA-641-14-000009>

Community Strengthening Project

Funding Opportunity Number: RFA-520-14-000006

Application Deadline: July 8, 2014

Description: The overall goal of the Community Strengthening Project is to support efforts by Government of Guatemala (GOG), civil society and community actors to address the causes and consequences of violence through holistic prevention approaches. The intent is to contribute to GOG and USG objectives of decreasing violent crime rates in targeted areas. This Community Strengthening Project will be USAID/Guatemala's violence prevention project and has four complementary and mutually reinforcing objectives. These are to: 1. Support community

commissions to institutionalize proven, integrated violence prevention projects in targeted areas; 2. Strengthen and mobilize municipal and national stakeholders and resources to develop and implement municipal-level prevention plans; 3. Support secondary prevention projects in close coordination with municipal authorities; and 4. Promote and integrate evidence-based policy making among prevention actors.

<http://www.grants.gov/web/grants/search-grants.html?keywords=RFA-520-14-000006>

Feed the Future Biotechnology Partnership

Funding Opportunity Number: RFA-OAA-14-000029

Application Deadline: August 1, 2014 at 4:00 PM EST (Washington, DC Local Time). PLEASE NOTE, the closing date for questions to this RFA is June 13, 2014 at 4:00 PM EST (Washington, DC Local Time)

Description: Over the past decade, USAID has funded a consortium of institutions in Asia and Africa under the Agricultural Biotechnology Support Program to use modern biotechnology, particularly genetic engineering, to develop products to address major production constraints for which conventional plant breeding tools have been ineffective. The work has included development of disease and nematode resistant banana, fruit and shoot borer resistant eggplant (Bt Eggplant), and late blight resistant potato (LBR Potato). The Feed the Future Biotechnology Partnership, for which applications are requested by this RFA, will lead and manage a product development and capacity-building program supporting development of late blight resistant potato in Bangladesh, India, and Indonesia, as well as fruit and stem borer resistant eggplant in Bangladesh, India and the Philippines. The Program Description set forth in Section I of this RFA includes project management, oversight and technical support to public & private sector partners for all phases of the product development cycle, as relevant for the particular crop/country, including event selection, confined field trials, regulatory biosafety data collection and dossier preparation/submission, commercial launch and stewardship. The Feed the Future Biotechnology Partnership is described in more detail in Section I of this RFA. <http://www.grants.gov/web/grants/search-grants.html?keywords=RFA-OAA-14-000029>

Other

Grammy Foundation® Grant Program: 2015 Letter of Inquiry online

Funding Opportunity Number: N/A

Pre-Application Deadline: LOI is due October 1, 2014

Application Deadline: By invitation only following review of LOI

Description: The GRAMMY Foundation Grant Program funds the following areas:

1. Scientific Research Projects: \$20,000 Maximum Award: The GRAMMY Foundation Grant Program awards grants to organizations and individuals to support research on the impact of music on the human condition. Examples might include the study of the effects of music on mood, cognition and healing, as well as the medical and occupational well-being of music professionals and the creative process underlying music. Priority is given to projects with strong methodological design as well those addressing an important research question. Review the 2015 grant guidelines and funding restrictions at <http://www.grammy.org/grammy-foundation/grants>
www.grammyfoundation.org

This initial approach includes the following information:

- a. Project contact and overview
- b. A brief description of the project, including but not limited to the following items:
 - Research question
 - Methodology outline (number of subjects, control groups, etc.)
 - Impact/application of research
 - Existing project partners and/or financial support, if any
- c. A description of the intended dissemination plan of the research findings (see guidelines).
- d. Brief biographies of key personnel

2. Archiving and Preservation Projects: The GRAMMY Foundation Grant Program awards grants to organizations and individuals to support efforts that advance the archiving and preservation of the music and recorded sound heritage of the Americas. The Archiving and Preservation area has two funding categories. To determine under which category of preservation grant you should apply, please click here.

- a. Preservation implementation: \$20,000 maximum award
 b. Assistance, assessment and/or consultation: \$5,000 maximum award

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