

## Upcoming Events (page 2)

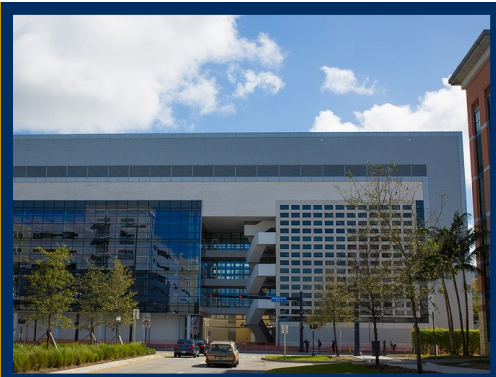
## Awards—July 2013 (page 3)

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### Opportunities of Interest:

- Naval Research Young Investigator Program—deadline Jan. 3/14—page 7
- DoD Multidisciplinary Research Program of the University Research Initiative—deadline Dec. 26/13—page 10
- Early career researchers' Nancy Grace Roman Technology Fellowship—deadline Nov. 7—page 17
- Reducing health disparities RO1—page 18
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## Academic Health Center 4 is ready! AHC 5 by Spring 2014

FIU's Science Classroom Complex or Academic Health Center 4 is ready for this upcoming fall semester. The new 137,500-sq-ft facility provides research and classroom space for various colleges on campus that will utilize the building's laboratories, lecture halls, and student study spaces. AHC 4 reflects our commitment to interdisciplinary and multidisciplinary research.

AHC4 creates research communities within the building that allow for flexibility and adaptability in research. A campus greenbelt, large communal plaza and rain garden intersect the building to erode the building mass creating a multi-

story portal to FIU's Health Sciences district and connection to the campus and the community.

Advancing FIU's central purpose as a research institution, laboratory spaces have been placed along the north facade, aligned with the north vehicular and pedestrian campus entry to highlight research at the front door.

Scheduled for completion by April-May 2014, Academic Health Center 5 will house the Robert Stempel College of Public Health and Social Work, the Extreme Events Insti-

tute, and the Department of Earth and Environment—the latter two from the College of Arts and Sciences. AHC 5 will also contain state of the art research space, including food science and behavioral labs, as well as classrooms, conference rooms and faculty offices.



*Architectural rendering of AHC5*

## Enhanced services for researchers

FIU's Division of Research is pleased to announce that the Research Development unit has been redesigned to assist faculty in their efforts to build robust research programs. The group strives to strengthen research and scholarship ac-

tivities at FIU by offering an array of support services tailored to the identified needs of research faculty. For faculty interested in securing external funding, the unit identifies grant opportunities and assists with proposal preparation. To

foster multidisciplinary collaboration and team science, the Division of Research stimulates professional interest area and networking groups.

A robust professional development program, offered in partnership with senior lead-

## *Enhanced services* (continued from cover)

*Offering an array of support services tailored to the identified needs of research faculty.*

ership from FIU's colleges, provides assistant and associate professors with the tools needed to hone their skills as researchers and with guidance that aligns their research efforts with their departments' requirements for

tenure and promotion.

On-line resources are available to provide assistance to investigators at all stages of their research careers. These include a large collection of writing materials and successful proposals to help junior

and midlevel faculty interested in applying for funding.

For more information and available services, please call 305-348-0485 or email [Maureen.Pelham@fiu.edu](mailto:Maureen.Pelham@fiu.edu)

## *Upcoming Events*

### September 2013

- ⇒ Women's Studies Center Open House—**September 5**, 11 am to 4 pm in DM 212.
- ⇒ The Center for Children and Families (CCF) presents Dr. Jennifer Briton ("Discriminating Threat from Safety: Impact of Development and Implications for Treatment") on **September 6** from 12 noon to 1 pm (bring your own bag lunch) at AHCI # 110.
- ⇒ Dr. Irene Calizo will discuss "Catalytically Etching Graphene and Graphite by Metal Particles" on **September 6**, from 1:30 to 2:30 pm at OE 134.
- ⇒ On **September 9** at AHCII #160, from 1:30 pm to 2:30 pm, Dr. Raúl González will talk about "Cannabis use and neurocognitive functioning: implications for persons living with HIV."
- ⇒ Faculty Mentor Program—The College of Arts & Sciences (CAS) began the Faculty Mentor program in 2010. In 2011, the College of Engineering and Computing (CEC) joined the program. Now in its third year, the mentoring program has been expanded further to include the Robert Stempel College of Public Health & Social Work (RSCPHSW) and DoR .
  - ◆ MMC mentor orientations will take place on **September 17 and 18** from 3:30 pm to 5:00 pm at AHC4 # 402.
  - ◆ CEC mentor orientations will take place on **September 19** from 3:30 pm to 5:00 pm at EC 2300.
  - ◆ Faculty **mentors** (associate and full professors, as well as senior instructors) and **mentees** (assistant professors and instructors) from CAS, CEC and RSCPHSW are invited to participate by filling out the [RSVP form for the Mentor Orientations](#).
  - ◆ Contact [mentor@fiu.edu](mailto:mentor@fiu.edu) for additional information.
- ⇒ [Research Administrator's Certificate Course Session 1](#) is scheduled for September 26 at 1:30 in MARC 125.

### October 2013

- ⇒ On **October 3**, Dr. Casey Miller, Director of APS-Bridge at USF, will discuss "Diversity on Physics"—time and location pending. On **October 4**, Dr. Miller will discuss "Condensed Matter" at OE 134, between 1:30 and 2:30 pm.
- ⇒ DoR is finalizing arrangements for a workshop on Team Science to be held the week of October 7—specific date is still pending confirmation with the consultant.
- ⇒ FIU's Nuclear Advisory Board will meet on **October 14** at the MARC Pavilion.
- ⇒ The [Quarterly Research Administrators' meeting](#) will take place on **October 29** in GC 150 from 9:30 to 11:30 am.

## November 2013

- ⇒ The grand opening of the [Stocker AstroScience Center](#) is scheduled for **November 12**.
- ⇒ FIU's annual [Department of Energy \(DOE\) Induction Ceremony](#) is scheduled for **November 13** in the MARC Pavilion.
- ⇒ The [McNair Scholars Research Conference](#) will take place **November 14, 15 and 16** at the Sofitel Miami Hotel.
- ⇒ The National Science Foundation (NSF) Nanosystems Engineering Research Center (ERC) for Advanced Self-Powered Systems of Integrated Sensors and Technologies ([ASSIST](#)) will hold its second annual industry meeting on **November 19 and 20** at FIU's RDB's Large Courtroom.

## December 2013

- ⇒ The [FIU Chapter of the National Academy of Inventors](#) will hold its second annual induction ceremony on December 3—by invitation only.
- ⇒ FIU Professor and Chair of the Biostatistics Department, [O. Dale Williams](#), will give a talk on Developing Testable Hypotheses on **December 10** at 3:30 pm in the MARC Pavilion.

DoR will provide additional information and updates in upcoming issues.

## *Awards Received—July 2013*

Florida International University researchers were awarded \$3,373,006 in July 2013. Listed below is a summary of awards received during July 2013—please note that each month closes on the 15th of the following month, thus August 2013 information on awards will not be available until mid September.

### **PI: David A Becker**

CHEMISTRY

AWARDING SPONSOR: GEX Corporation

TITLE: Preparation Synthesis and Protocols Preparation of Samples Including Azulenyl Nitrones for Radiation Detection

AWARD: \$ 7,000

### **PI: Eric Jeremiah Bishop-Von Wettberg**

BIOLOGY

AWARDING SPONSOR: Fairchild Tropical Botanic Garden

TITLE: Fairchild Tropical Botanic Garden supports research and education in tropical botany. As a tangible expression of this support, they provide graduate student support for individuals working for higher degrees in areas of tropical plant science.

AWARD: \$ 24,960

### **PI: Fabian Gonzalo Cevallos**

CIVIL AND ENVIRON ENGINEERING

AWARDING SPONSOR: Florida Department of Transportation

TITLE: Guidelines for Bus Transit Stops in Highway Construction Work Zones

AWARD: \$ 2,823

### **PI: Jose Miguel Cruz**

CENTER FOR ADMIN OF JUSTICE

AWARDING SPONSOR: Inter-American Development Bank

TITLE: CRIME AND VIOLENCE IN LATIN AMERICA AND THE CARIBBEAN

AWARD: \$ 71,354

**PI: Paulo H De Hendonca Chaves**

COM MEDICINE

AWARDING SPONSOR: Johns Hopkins University

TITLE: Clinical Significance of Short-term Change and Variability of Grip Strength

AWARD: \$ 14,755

**PI: Mario R De La Rosa**

CRUSADA

AWARDING SPONSOR: National Institutes of Health

TITLE: Center for Substance Use and AIDS Research on Latinos in the United States

AWARD: \$ 1,086,126

**PI: Jessy Devieux**

HEALTH PROMO AND DISEASE PREV

AWARDING SPONSOR: National Institutes of Health

TITLE: An Innovative Video Intervention for Newborn Medical Male Circumcision

AWARD: \$ 221,975

**PI: Fatma G Ercanli-Huffman**

AWARDING SPONSOR: FIU Division of Research

TITLE: DORBRDG

AWARD: \$ 61,972

**PI: Cheng-Tin Gan**

CIVIL AND ENVIRON ENGINEERING

AWARDING SPONSOR: Florida Department of Transportation

TITLE: Technical and Research Support for ITS and Traffic Engineering Projects (LOA#2)

AWARD: \$ 200,000

**PI: Ana Cristina Souza Lima Gouvea**

COMM SCIENCES AND DISORDERS

AWARDING SPONSOR: National Institutes of Health

TITLE: Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish

AWARD: \$ 137,605

**PI: Anibal Gutierrez Jr.**

PSYCHOLOGY

AWARDING SPONSOR: University of Miami

TITLE: Advancing Social-Communication and Play (ASAP): An Intervention Program for Preschoolers with Autism

AWARD: \$ 6,377

**PI: Jean Louise Hannan**

NURSING UNDERGRADUATE

AWARDING SPONSOR: National Institutes of Health

TITLE: Low Income First Time Mothers: Effects of APN Follow-up Mobile Technology on Mate

AWARD: \$ 137,605

**PI: Steven Heine**

ASIAN STUDIES PROGRAM

AWARDING SPONSOR: Japan Foundation

TITLE: Japan Foundation Grant - Institutional Support

AWARD: \$ 44,468

**PI: Leonel Lagos**

ARC APPLIED RESEARCH CENTER

AWARDING SPONSOR: Office of Environmental Management

TITLE: Florida International University's Research Support to the Department of Energy's Office of Environmental Management

AWARD: \$ 59,888

**PI: Leonel Lagos**

ARC APPLIED RESEARCH CENTER

AWARDING SPONSOR: Office of Environmental Management

TITLE: Sub Project 1-FIU'S Environment: Florida International University's Research Support to the Department of Energy's Office of Environmental Management

AWARD: \$ 46,300

**PI: Leonel Lagos**

ARC APPLIED RESEARCH CENTER

AWARDING SPONSOR: Office of Environmental Management

TITLE: Subproject: Florida International University's Research Support to the Department of Energy's Office of Environmental Management

AWARD: \$ 19,124

**PI: Leonel Lagos**

ARC APPLIED RESEARCH CENTER

AWARDING SPONSOR: Office of Environmental Management

TITLE: Sub Project 3- Remediation: Florida International University's Research Support to the Department of Energy's Office of Environmental Management

AWARD: \$ 40,260

**PI: Leonel Lagos**

ARC APPLIED RESEARCH CENTER

AWARDING SPONSOR: Office of Environmental Management

TITLE: Subproject -Waste and D&amp;D Eng: Florida International University's Research Support to the Department of Energy's Office of Environmental Management

AWARD: \$ 123,487

**PI: Cathy Leff**

THE WOLFSONIAN

AWARDING SPONSOR: City of Miami Beach

TITLE: Master Plan Program for The Wolfsonian

AWARD: \$ 150,000

**PI: Wei-Chiang Lin**

BIOMEDICAL ENGINEERING

AWARDING SPONSOR: National Institutes of Health

TITLE: Smart Intraoperative Guidance for Pediatric Brain Tumor Surgery

AWARD: \$ 355,812

**PI: Teresa A Lucas**

COE TEACHING AND LEARNING

AWARDING SPONSOR: Institute of International Education

TITLE: BETUSA @ FIU

AWARD: \$ 45,192

**PI: Teresa A Lucas**

COE TEACHING AND LEARNING

AWARDING SPONSOR: Institute of International Education

TITLE: Subproject: BETUSA @ FIU

AWARD: \$ 177,168

**PI: Anthony McGoron**

BIOMEDICAL ENGINEERING

AWARDING SPONSOR: National Institutes of Health

TITLE: Novel Polymeric nanoparticles for drug delivery applications

AWARD: \$ 44,898



**PI: Fernando Miralles-Wilhelm**

SOUTHEAST ENV RESEARCH CTR

AWARDING SPONSOR: Everglades Foundation

TITLE: Modeling of Nutrient Exchange Program for the Everglades

AWARD: \$ 20,000

**PI: Winifred Elysse Newman**

ARCHITECTURE

AWARDING SPONSOR: FIU Foundation

TITLE: District 11 Strategic Development Plan

AWARD: \$ 29,933

**PI: Lesley A Northup**

HONORS COLLEGE

AWARDING SPONSOR: FIU Division of Research

TITLE: Advanced Research and Creativity in Honors A

WARD: \$ 23,400

**PI: Carlos Manuel Parra**

COB DEPT OF MARKETING

AWARDING SPONSOR: Citi Innovations for Poverty Action-IPA

TITLE: Impact of livelihood-linked products and enterprise development trainings in inclusive distribution programs

AWARD: \$ 7,500

**PI: Jennifer H Richards**

BIOLOGY

AWARDING SPONSOR: Fairchild Tropical Botanic Garden

TITLE: Fairchild Tropical Botanic Garden supports research and education in tropical botany. As a tangible expression of this support, they provide graduate student support for individuals working for higher degrees in areas of tropical plant science.

AWARD: \$ 23,460

**PI: Sofia Santiesteban**

COLLEGE ACCESS

AWARDING SPONSOR: Florida Department of Education

TITLE: FIU CROP South Florida Consortium

AWARD: \$ 48,490

**PI: Leonard Scinto**

SOUTHEAST ENV RESEARCH CTR

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: \$ 20,900

**PI: Ines R Triay Melendez**

ARC APPLIED RESEARCH CENTER

AWARDING SPONSOR: Waste Control Specialists LLC

TITLE: Marketing, Communications, Knowledge Management, and Outreach Background Consulting

AWARD: \$ 45,052

**PI: Maria Elena Villar**

ADVERTISING AND PUBLIC REL

AWARDING SPONSOR: South Florida Behavioral Health Network

TITLE: FACES Social Marketing (Manage all social marketing activities for the FACES system of care project)

AWARD: \$ 30,000

**PI: Ophelia I Weeks****BIOLOGY**

AWARDING SPONSOR: Indiana University-Purdue University Ind

TITLE: Statement of work for Feng Pan at Indiana-University-Purdue University Indianapolis

AWARD: \$ 25,065

**PI: Hakan Yilmazkuday****ECONOMICS**

AWARDING SPONSOR: Vanderbilt University

TITLE: International Cities as the Economic Unit of Account: Theory and Measurement

AWARD: \$ 20,056

## ***Funding Opportunities***

### **Department of Defense**

**ExBapansion of Constructed Wetland for Habitat Enhancement****Funding Opportunity Number:** N40080-13-LTC-0003**Application Deadline:** Sept 5, 2013

**Description:** Awarded in 2010, the objective of Cooperative Agreement (CA) N40080-10-LTC-0006 was to design and construct a wetland cell to provide habitat improvement and treatment of storm water from an approximate 162 acre watershed at Naval Support Facility Dahlgren (NSFDL). Calculations for the final design indicate it should achieve 40-50% of the treatment volume for the watershed. Subsequently in 2012, CA N40080-12-LTC-0005 was awarded to provide supplementary survey, design and construction services related to the construction of the first cell, and to design a complementary, second constructed wetland treatment cell. The goal for the second cell design was to fully integrate with and supplement the initial cell to achieve 100% of the recommended treatment volume for the watershed. This Agreement is for the construction of the final design for the second treatment cell to achieve the storm water treatment capacity needed for the watershed. The overall proposed project will provide both habitat enhancements and water quality benefits for a significant amount of untreated storm water. This project implements, in part, Naval Facilities Engineering Command, Washington's (NAVFAC Wash) responsibilities pursuant to the Sikes Act Improvement Act (16 USC 670 et seq) and is in support of Executive Order 13508 – Chesapeake Bay Protection and Restoration. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

**Department of the Navy (SPAWAR)****A -- Energy System Technology Evaluation Program (ESTEP)****Funding Opportunity Number:** N66001-13-X-3008**Pre-Application Deadline:** 9/16/13**Application Deadline:** Approximately 45 days from the date of invitation.

**Description:** The Space and Naval Warfare Systems Center, Pacific (SSC Pacific), on behalf of the Office of Naval Research (ONR) and Energy System Technology Evaluation Program (ESTEP), is soliciting proposals in accordance with Federal Acquisition Regulation (FAR) 6.102(d)(2) and FAR 35.016 for competitive selection of advanced technology development and validation (hereinafter referred to as "advanced technology"). This announcement is not soliciting basic research, applied research, advanced research or exploratory development. Submissions in response to this announcement shall be in areas relating to new and emerging energy technology systems. Accordingly, proposals selected for award are considered to be the result of full and open competition and fully compliant with PL 98-369, "The Competition in Contracting Act of 1984." This Broad Agency Announcement (BAA) is for procurement contracts only (hereinafter referred to as "contracts"). Grants, assistance vehicles, and other transactions are not authorized under this announcement. The proposed effort should provide and demonstrate unique innovative approaches that de-risk new energy technologies for acquisition and adoption into naval facilities. [https://www.fbo.gov/index?s=opportunity&mode=form&id=aaf86df8e3d0dc194d4f1e2adf989257&tab=core&\\_cview=0](https://www.fbo.gov/index?s=opportunity&mode=form&id=aaf86df8e3d0dc194d4f1e2adf989257&tab=core&_cview=0)

**Fiscal Year 2014 Office of Naval Research Young Investigator Program (YIP) Office of Naval Research****Funding Opportunity Number:** ONRBAA13-023**Application Deadline:** January 3, 2014

**Description:** The Office of Naval Research (ONR) is interested in receiving proposals for its Young Investigator Program (YIP). ONR's Young Investigator Program (YIP) seeks to identify and support academic scientists and en-

engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointment and for FY2014, have begun their first appointment on or after 01 November 2008, and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of Institutions of Higher Education (hereafter also called "universities") to the Department of the Navy's research program, to support their research, and to encourage their teaching and research careers. Proposals addressing research areas as described in the ONR Science and Technology (S&T) Department section of ONR's website at [www.onr.navy.mil](http://www.onr.navy.mil) which are of interest to ONR Program Officers and Division Directors will be considered. Contact information for each Division (a subgroup of an S&T Department) is also listed within the S&T section of the website. Potential applicants may contact the appropriate Division Director, or the Program Officer who is the point of contact for a specific technical area, to discuss their research ideas. Brief informal pre-proposals may be submitted to facilitate these discussions. Such discussions can clarify the content and breadth of the priority research areas and enhance the match between a subsequent proposal and Department of the Navy research needs. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **Basic Research in Spatial Sensing Scene Characterization (also known as Imaging) Technology Office of Naval Research**

**Funding Opportunity Number:** ONRBAA13-021

**Application Deadline:** Dec 11, 2013

**Description:** The Office of Naval Research (ONR) is interested in receiving proposals for efforts that will advance and demonstrate science and technology for the next generation electronics and devices under the following focus area: Electronics technology enablers for wideband Simultaneous Transmit and Receive (STAR) capabilities. **Background:** The need for concurrent military antenna operations across wide spectral ranges in heavily congested electromagnetic environments continues to expand. Steady advances in RF and mixed-signal electronics technology continue to fuel increased system performance capabilities through the use of higher operating frequencies and broader bandwidths. Higher resolution for active sensors/imagers, higher data rate terrestrial and satellite communications links, and more effective electronic warfare (EW) and Information Operations (IO) are a few of the advances that high-speed electronics continues to enable. Many solid state device technologies from Silicon to Gallium Nitride, Niobium to Photonics, are contributing to these military system advances. Significant electronic challenges arise when these EW/IO, communications and radar systems are required to operate concurrently, with both transmit and receive functionality utilizing either a single aperture or multiple apertures. The concurrency problem is exasperated by the desire of each system to project more power from smaller overall platform footprints in order to maximize performance and minimize signature. While electronics technology advances have led to significant military antenna system performance gains, the ability to operate these systems concurrently in a STAR configuration without severe performance degradation continues to be severely lacking. The need for improved wideband STAR enabling electronics technology is the primary focus of this BAA. Focus Area The goal of this BAA is to stimulate innovative proposals that offer compelling advances in the radiation, reception, signal control and processing of microwave and MMW signals for Navy C4ISR systems. The primary focus is on STAR electronics enablers. Innovative solutions are sought in the specific areas of highly linear wideband receive electronics and low noise, high spectral purity transmit electronics. Highly linear low noise amplifier, mixer, filter, and analog-to-digital converter technologies that offer orders of magnitude receiver dynamic range improvement are sought. High spectral purity wideband RF transmitter designs possessing ultra-low noise characteristics are also sought. Both analog and digital transmitter designs are of interest, with a premium placed on power, noise, purity and dynamic range. Novel transmitter and receiver electronics that offer the highest potential performance advances and biggest effect on STAR operation should be highlighted. Wideband active and passive high isolation device and circuit technologies are of interest as they apply to STAR. Components of particular interest will operate wideband (at least an octave and preferably much wider) between 100 KHz and 100 GHz, with performance characteristics pushing extreme single aperture STAR capabilities. Linearity, noise, and bandwidth are the most important performance parameters that will be used to measure the potential STAR impact. Size, weight and power dissipated during operation will also be technology and level of innovation differentiators. Due to the complex trade space and broad range of performance parameters of interest, solutions which address many but not all of the aggressive component criteria will be considered. Proposed technologies should clearly articulate the potential impact to STAR operation. To summarize these focus area interests, novel technical solutions to the following problem sets are sought: a) RF receiver technolo-



gies/components that exhibit extreme linearity and useful dynamic range over very wide bandwidths even during high power transmit operations through the same or tightly coupled antenna (STAR operation) b) RF transmitter technologies/components that best address the power, purity, noise and linearity performance requirements for high power wideband STAR operation. Offerors are requested to address specific receiver and/or transmitter chain components but in each case must demonstrate how the effort will advance the current state of the art, and discuss how the improvement will impact overall STAR performance. Complete receiver or transmitter subsystems are not sought; however proposals that chooses to address the overall system architecture should demonstrate how the proposed innovation will impact all the other functional blocks of the RF chain. It is understood that emerging electronic systems have an abundance of diverse requirements. Rather than tailoring this solicitation towards a specific requirement, the goal is to encourage component innovation and to advance performance significantly over the current state of the art. Additional areas of interest: While advances in solid state device frequency performance have enabled significant performance gains in amplifier technology (both high power amplifiers (HPAs) and low-noise amplifiers (LNAs)), challenges remain in the overall efficiency, linearity, power output and bandwidth tradeoffs that current device technologies can achieve. A continuing ONR electronics interest area is to address current known device limitations in order to enable improvements in transmit/receive amplifier performance, especially related to device linearity and power density for millimeter-wave performance. In addition, ONR is receptive to other game-changing active and passive RF electronics component technologies that are outside the designated focus area but which can significantly impact the performance of Navy and Marine Corps electronic systems. Work funded under a BAA may include basic research, applied research and some advanced technology development (ATD). With regard to any restrictions on the conduct or outcome of work funded under this BAA, ONR will follow the guidance on and definition of "contracted fundamental research" as provided in the Under Secretary of Defense (Acquisition, Technology and Logistics) Memorandum of 24 May 2010. As defined therein the definition of "contracted fundamental research", in a DoD contractual context, includes [research performed under] grants and contracts that are (a) funded by Research, Development, Test, and Evaluation Budget Activity 1 (Basic Research), whether performed by universities or industry or (b) funded by Budget Activity 2 (Applied Research) and performed on campus at a university. The research shall not be considered fundamental in those rare and exceptional circumstances where the applied research effort presents a high likelihood of disclosing performance characteristics of military systems or manufacturing technologies that are unique and critical to defense, and where agreement on restrictions have been recorded in the contract or grant. Pursuant to DoD policy, research performed under grants and contracts that are a) funded by Budget Category 6.2 (Applied Research) and NOT performed on-campus at a university or b) funded by Budget Category 6.3 (Advanced Research) does not meet the definition of "contracted fundamental research." In conformance with the USD(AT&L) guidance and National Security Decision Direction 189, ONR will place no restriction on the conduct or reporting of unclassified "contracted fundamental research," except as otherwise required by statute, regulation or Executive Order. For certain research projects, it may be possible that although the research being performed by the prime contractor is restricted research, a subcontractor may be conducting "contracted fundamental research." In those cases, it is the prime contractor's responsibility in the proposal to identify and describe the subcontracted unclassified research and include a statement confirming that the work has been scoped, negotiated, and determined to be fundamental research according to the prime contractor and research performer. Normally, fundamental research is awarded under grants with universities and under contracts with industry. ATD is normally awarded under contracts and may require restrictions during the conduct of the research and DoD pre-publication review of research results due to subject matter sensitivity. As regards to the present BAA, the Research and Development efforts to be funded will consist of basic research, applied research, and ATD. The funds available to support awards are Budget Activities 1, 2, and 3. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **Host/Gut Microbiota Response to Stressors: Informing Resiliency**

**Office of Naval Research**

**Funding Opportunity Number:** 13-SN-0024

**Application Deadline:** Nov 21, 2013

**Description:** The Office of Naval Research (ONR) is interested in receiving proposals on research directed at un-

derstanding the effects of certain behavioral and physical stressors on the host/gut microbiota, with an emphasis on deducing the role the gut microbiota (GM) may play in mediating physiological, psychological and possibly cognitive effects of such exposures. For this topic, we do not anticipate funding any human studies. Specific objectives of this Special Notice topic are: (1) To characterize the psychological, physiological and cognitive responses of the host and GM (behavior, organism, tissue and molecular levels) following exposure to various behavioral and physical stressors, such as: abnormal circadian cycles or living conditions (such as those found on a submarine), extreme/rapid environmental shifts (e.g., altitudinal, temperature, elevated ambient noise), fatigue, anticipatory anxiety or fear. (2) To ascertain if specific gut microbial community members, metabolites or functions play a role in the observed host response to the stressor(s) listed above. Comparison with data obtained for different hosts may be informative in deducing microbial functions on host response. Specific attention will be focused on 'gut-brain-axis' routes of signaling. (3) Support the development of novel tools for real-time analysis of microbes, the surfaces they adhere to, and microbial products in the GI tract to more closely map microbial heterogeneity and identify specific links to their function. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **Fiscal Year (FY) 2014 Department of Defense Multidisciplinary Research Program of the University Research Initiative (MURI)**

#### **Office of Naval Research**

**Funding Opportunity Number:** ONRBAA13-022

**Application Deadline:** Dec 16, 2013

**Description:** The MURI program supports basic research in science and engineering at U.S. institutions of higher education that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD. As defined by the DoD, "basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, and life sciences related to long-term national security needs. It is farsighted high pay-off research that provides the basis for technological progress." (DoD 7000.14.R, vol. 2B, chap.5). DoD's basic research program invests broadly in many specific fields to ensure that it has early cognizance of new scientific knowledge. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

#### **Armament Technology**

**Funding Opportunity Number:** BAA-RWK-2013-0001

**Application Deadline:** March 31, 2014

**Description:** WHITE PAPER DUE DATE AND TIME: This BAA will remain open through 31 Mar 2014, or until amended or superseded. It may be reissued and/or amended periodically, as needed. It is recommended that prior to submission of any white papers, each submitter should consult with the technical POC for each respective research area to discuss the topic of interest. White papers may be submitted at any time during the open period to [afrl.rwk.baaworkflow@eglin.af.mil](mailto:afrl.rwk.baaworkflow@eglin.af.mil). I. PROGRAM DESCRIPTION This is a Broad Agency Announcement of the Air Force Research Laboratory, Munitions Directorate (AFRL/RW) under the provisions of Federal Acquisition Regulation (FAR) paragraph 6.102(d)(2), which provides for competitive selection of research proposals. Proposals submitted in response to the BAA that are selected for award are considered to be the results of full and open competition and in full compliance with the provisions of PL 98-369, the Competition in Contracting Act of 1984. This acquisition is unrestricted. Small businesses are encouraged to propose on all or any part of this solicitation. The NAICS Code for this acquisition is 541712 (for Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology), and the small business size standard is 500 employees (1000 employees for Space Vehicles and Guided Missiles, their propulsion units, propulsion unit parts, and auxiliary equipment and parts). For purposes of this announcement, research is defined to be scientific study and experimentation directed at increasing knowledge and understanding in relation to long term national security needs. It is an enhancement to related exploratory and advanced development programs. A program should be designed to demonstrate well-defined and substantive research results, should not be overly ambitious or open-ended, and should not be a paper study that inherently requires a substantial testing effort. Any significant testing is unlikely; however, there is a possibility of experimental testing to support battle lab experiments proposed under this BAA. Occasionally, AFRL/RW will have more specific research interests or topics that warrant specific attention. Under those circumstances, a

specific BAA will be issued describing the requirement in greater detail, defining funding availability, elaborating on white paper or proposal submission due date and format, and possibly providing more specific evaluation criteria. Programs to support Team Eglin Technology Demonstration Programs may also be considered under this BAA. AFRL/RW contracts with educational institutions, non-profit organizations, and private industry for research in armament technology. This BAA is intended to cover, in general nature, all research areas of interest to this Directorate. Offerors contemplating submission of a proposal to AFRL/RW should carefully examine this BAA, and are also strongly encouraged to contact the appropriate AFRL/RW technical Point of Contact (POC) identified in this publication to ascertain the extent of interest AFRL/RW may have in a specific research project. See link referenced below for complete announcement. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **DOD FY13 Militarily Relevant Peer Alzheimer's Disease – Convergence Science Research Award**

**Funding Opportunity Number:** W81XWH-13-MRPRA-CSRA

**Application Deadline:** December 16, 2013

**Description:** Military personnel who suffer from Traumatic Brain Injuries (TBIs) face an increased risk for developing several long-term health problems. These conditions include Alzheimer's-like dementia, aggression, memory loss, depression, and symptoms similar to those of other neurological diseases. Research funded through the FY13 Convergence Science Research Award (CSRA) Program Announcement/Funding Opportunity is intended to address the Militarily Relevant Peer Reviewed Alzheimer's Disease Research Program's (MRPRA's) Overarching Challenges 1 and 2. (See Program Announcement for details.) Research funded through the FY13 CSRA is intended to generate research resources, tools, or validate research for professionals and practitioners in health sciences related to the MRPRA's mission. Applications which consider, characterize, or explore susceptibility factors (e.g., genetic, neuropsychological, or proteomic risk factors) of individuals to TBI and subsequent Alzheimer's Disease are strongly encouraged. The research impact is intended to benefit the military community, while also meeting a public purpose for the benefit of the civilian community. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **DOD FY13 Militarily Relevant Peer Reviewed Alzheimer's Disease – Quality of Life Research Award**

**Funding Opportunity Number:** W81XWH-13-MRPRA-QUAL

**Application Deadline:** December 16, 2013

**Description:** Military personnel who suffer from Traumatic Brain Injuries (TBIs) face an increased risk for developing several long-term health problems. These conditions include Alzheimer's-like dementia, aggression, memory loss, depression, and symptoms similar to those of other neurological diseases. Research funded through the FY13 Quality of Life Research Award (QUAL) Program Announcement/Funding Opportunity is intended to develop best practices for in-patient and out-patient care of TBI and/or Alzheimer's Disease. Applications must include a multi-institutional team of up to 5 partners to: 1) assess the standards of care for their patients across the partners; 2) develop and measure best practices that would reduce the burden on the caregiver and patient; and 3) have a dissemination plan by which the best practices can become the elements of a new standard of care across the partners. Examples of partnering sites can be any combination of educational, non-profit, not-for-profit, and for-profit organizations, including hospitals and departments within an organization. The endpoints of the study should lead to changes in standards of care that positively affect quality of life for the patient and reduce the burden on the caregiver. The research impact is intended to benefit the military community, while also meeting a public purpose for the benefit of the civilian community. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **DOD FY13 Militarily Relevant Peer Reviewed Alzheimer's Disease – Military Risk Factors Research Award**

**Funding Opportunity Number:** W81XWH-13-MRPRA-MRFA

**Application Deadline:** December 16, 2013

**Description:** Military personnel who suffer from Traumatic Brain Injuries (TBIs) face an increased risk for developing several long-term health problems. These conditions include Alzheimer's-like dementia, aggression, memory loss, depression, and symptoms similar to those of other neurological diseases. Research funded through the FY13 Military Risk Factors Research Award (MRFA) Program Announcement/Funding Opportunity is intended to facilitate high-impact, systematic, population-based, research into the association between TBI and the subsequent development of Alzheimer's Disease (AD). This announcement seeks applications which will work with well-defined, already identified, study cohorts. Studies should demonstrate how they will characterize the association of TBI and subse-

quent AD. As part of the application, applicants should carefully consider how their studies will characterize the cognitive and behavioral symptoms that result in functional impairments in the proposed cohort. Studies that use combinations of measures (e.g., neuropsychological assessments, imaging, genomics, and cerebral spinal fluid) are encouraged. Investigators should consider developing interdisciplinary teams or consortia as part of the support plan for executing the research. The research impact is intended to benefit the military community, while also meeting a public purpose for the benefit of the civilian community. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **K-12 Aerospace-Based Science, Technology, Engineering and Mathematics (STEM) Mobile Teaching Vehicle Funding Opportunity Number: BAA-AFOSR-2013-0006**

**Application Deadline:** September 30, 2013

**Description:** AFOSR invites the submission of proposals for a K-12 Aerospace Based Science, Technology, Engineering, and Mathematics (STEM) Mobile Teaching Vehicle. AFOSR intends to award a 1-year effort of approximately \$200,000 to an educational institution or non-profit organization that best demonstrates the capacity to develop a mobile STEM discovery center designed to increase students' interest and learning in science, technology, engineering, and mathematics through hands-on activities. This is a Broad Agency Announcement. No formal Request for Proposals (RFP) or other solicitation regarding this announcement will be made. Proposers are highly encouraged to confer with the designated points of contact as soon as possible. Their contact information can be found at the end of this section. Proposals will be reviewed on merit, with an eye toward expanding the approach to educating K-12 students on the rewarding benefits of STEM both in and outside the classroom. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **Minerva Research Initiative**

**Funding Opportunity Number:** ONRBAA13-024

**Application Deadline:** February 14, 2014

**Description:** The Office of Naval Research (ONR) is interested in receiving proposals for the Minerva Research Initiative (<http://minerva.dtic.mil>), a DoD-sponsored, university-based social science research program initiated by the Secretary of Defense. This program is a multi-service effort. Ultimately, however, funding decisions will be made by OSD personnel, with technical inputs from the Services. The program focuses on areas of strategic importance to U.S. national security policy. It seeks to increase the Department's intellectual capital in the social sciences and improve its ability to address future challenges and build bridges between the Department and the social science community. Minerva brings together universities, research institutions, and individual scholars and supports multidisciplinary and cross-institutional projects addressing specific topic areas determined by the Department of Defense. The Minerva Research Initiative aims to promote research in specific areas of social science and to promote a candid and constructive relationship between DoD and the social science academic community. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

## **Department of Energy**

### **Nuclear Energy University Programs - Fellowship and Scholarship**

**Funding Opportunity Number:** DE-FOA-0000807

**Application Deadline:** Nov 30, 2015 Applications will be accepted continuously until November 30, 2015

**Description:** This program supports education and training for future nuclear scientists, engineers and policy-makers who are attending U.S. universities and colleges in nuclear-related graduate, undergraduate and two-year study programs. These are zero-dollar awards that will be funded as students apply through the Department of Energy, Office of Nuclear Energy. <http://www.grants.gov/web/grants/search-grants.html>

## **Department of Homeland Security**

### **FISCAL YEAR 2014 DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM (DURIP)**

**Funding Opportunity Number:** PA-AFOSR-2013-0001

**Pre-Application Deadline:** N/A

**Application Deadline:** Oct 20, 2013



**Description:** This announcement seeks proposals to purchase instrumentation in support of research in areas of interest to the DoD, including areas of research supported by the Army Research Office (ARO), the Office of Naval Research (ONR), and the Air Force Office of Scientific Research (AFOSR), hereafter referred to collectively as “the administering agencies.” The research areas of interest to the administering agencies are available on-line at the following addresses: Army Research Office: <http://www.aro.army.mil/> (select “Business” and then “Broad Agency Announcements”) See the most recent ARO Core Broad Agency Announcement for Basic and Applied Scientific Research. Office of Naval Research: <http://www.onr.navy.mil/> (select “Contracts and Grants” and then “Broad Agency Announcements”) See Long Range Broad Agency Announcement for Navy and Marine Corps Science and Technology 13-001. Air Force Office of Scientific Research: See BAA AFOSR-2013-0001 Research Interests of the Air Force Office of Scientific Research available at [http://www.grants.gov/search/search.do;jsessionid=x8BxRCpDJ7zJvMjvVs91VFPYjn\[qzy\]JvBHW51LmJy0D21yfSXTc!284756989?oppId=218055&mode=VIEW](http://www.grants.gov/search/search.do;jsessionid=x8BxRCpDJ7zJvMjvVs91VFPYjn[qzy]JvBHW51LmJy0D21yfSXTc!284756989?oppId=218055&mode=VIEW). For detailed information regarding technical goals, potential proposers are advised to refer to the websites cited above. They also are encouraged to contact DoD program managers listed at those sites before submitting proposals, in order to explore research areas that are of mutual interest to the proposers and DoD administering agencies. A proposal may be submitted to more than one administering agency; however, only one administering agency will fund the proposal, if selected, under the 2014 DURIP. A central purpose of the DURIP is to provide equipment to enhance research-related education. Therefore, proposals must address the impact of the equipment on the institution’s ability to educate students, through research, in disciplines important to DoD missions.

## Department of Labor

### African Youth Empowerment and Development Initiative

**Funding Opportunity Number:** SCA-13-07

**Application Deadline:** October 1, 2013

**Description:** The U.S. Department of Labor's (DOL) Bureau of International Labor Affairs (ILAB) will award up to \$3 million for one or more cooperative agreement(s) to fund a technical assistance project(s) in Uganda to address exploitative child labor among youth (age 15 to 18) by helping them develop marketable skills to secure decent work and serve as civic leaders in their communities. The project will target vulnerable youth ages 15 to 18, promoting education and vocational training and decent work opportunities for those of appropriate work age. The project will also seek to enhance livelihoods for youth and their households, support civic engagement by youth, and encourage youth to take on leadership roles within their communities. Applicants must select districts that are part of the U.S. Agency for International Development (USAID) Uganda's "Focus Districts". This project is intended to serve as a pilot youth empowerment and development initiative that could be replicated in other African countries.

<http://www.dol.gov/ilab/grants/sca13-07.pdf>

### Combating Exploitative Child Labor in Morocco

**Funding Opportunity Number:** SCA-13-10

**Application Deadline:** October 1, 2013

**Description:** The U.S. Department of Labor's (DOL) Bureau of International Labor Affairs (ILAB) will award up to \$5 million for one or more cooperative agreements to fund a technical assistance project(s) to support efforts in rural and peri-urban areas of Morocco to reduce child labor and assist youth of legal working age to secure decent work , and provide household members (age 18 and older) with opportunities for improved livelihoods. The project will also improve the capacity of Morocco's labor inspectorate to monitor and enforce labor laws in rural agricultural areas where many children and youth work, and strengthen the ability of civil society organizations to reduce child labor through service provision and advocacy. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=237700>

### Improved Compliance with Labor Laws in the Democratic Republic of Georgia

**Funding Opportunity Number:** SCA-13-14



**Application Deadline:** October 2, 2013

**Description:** The U.S. Department of Labor's (DOL) Bureau of International Labor Affairs (ILAB) will award up to \$2 million for one or more cooperative agreements to fund a technical assistance project(s) in the Democratic Republic of Georgia to achieve improved compliance with labor laws. The goals are to strengthen government compliance with labor laws and to facilitate the effective resolution of labor disputes. Proposals must address at least one of the following objectives: 1) improved government enforcement of labor laws and respect for international labor standards, or 2) improved effectiveness of worker organizations in representing workers' rights and interests.

<http://www.dol.gov/dol/grants/20130722SCAGeorgia.pdf>

## Department of State

### Global Undergraduate Exchange Program in Eurasia and Central Asia

**Funding Opportunity Number:** ECA-ECAAE-14-005

**Application Deadline:** September 12, 2013

**Description:** Executive Summary: The Office of Academic Exchange Programs of the Bureau of Educational and Cultural Affairs announces an open competition for the administration of the FY 2014 Global Undergraduate Exchange Program in Eurasia and Central Asia, UGRAD. The total amount of funding for this award will be up to \$1,745,600, pending the availability of FY 2014 funds. Public and private non-profit organizations meeting the provisions described in IRS regulation 26 CFR 1.501c3 may submit proposals to administer recruitment, selection, placement, monitoring, evaluation, follow-on, and alumni activities for the UGRAD program. Organizations with less than four years experience in conducting international exchange programs are not eligible for this competition. See Section III.3. Other Eligibility Requirements for further information. The UGRAD Program selects outstanding students from Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan, to receive scholarships for one semester or one academic year of non-degree study at U.S. institutions of higher education. Scholarships are available in all fields of study. Funding should support a minimum of 59 participants. Every effort should be made to maximize the number of scholarships awarded. <http://www.grants.gov/web/grants/search-grants.html>

### FY 2014 Southeast Asia Youth Leadership Program

**Funding Opportunity Number:** ECA-ECAPE-14-002

**Application Deadline:** September 27, 2013

**Description:** The Office of Citizen Exchanges, Youth Programs Division, of the Bureau of Educational and Cultural Affairs announces an open competition for the Southeast Asia Youth Leadership Program, pending the availability of FY 2014 funding. Public and private non-profit organizations meeting the provisions described in Internal Revenue Code section 26 USC 501c3, including accredited, post-secondary U.S. educational institutions, may submit proposals to provide a three-week, U.S.-based youth leadership program in April, 2014 for 60 youth and educators from the member states of the Association of Southeast Asian Nations. The activities will focus on civic education, leadership, diversity, and community engagement and address ways youth can unite around their common goals. Support for individual or small group follow-on projects in the home communities of the exchange alumni will complete the program. It is the Bureau's intent to award one cooperative agreement for one base year plus two option years for an estimated total amount of \$1,470,000. Please see section II. Award Information below for additional details.

<https://www.grantsolutions.gov/gs/preaward/previewPublicAnnouncement.do?id=18365>

### Official U.S. Presentation at the 56<sup>th</sup> International Art Exhibition, Venice, Italy, June through November, 2015

**Funding Opportunity Number:** ECA-ECALMAQM-14-002

**Application Deadline:** October 11, 2013

**Description:** An open competition for proposals from U.S. based non-profit organizations including museums, galleries, visual arts centers and schools to organize the official U.S. presentation at the 56<sup>th</sup> International Art Exhibition to be held in Venice, Italy, June through November, 2015.

<https://www.grantsolutions.gov/gs/preaward/previewPublicAnnouncement.do?id=18388>

## Environmental Protection Agency

### Susceptibility and Variability in Human Response to Chemical Exposure

**Funding Opportunity Number:** EPA-G2013-STAR-J1

**Application Deadline:** Sep 10, 2013

**Description:** The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research to study life stage and/or genetic susceptibility in order to better characterize the sources of human variability in response to chemical exposure. The adverse outcome pathways (AOP) concept has the potential to serve as a framework for using susceptibility indicators, biomonitoring, and high throughput screening (HTS) data in an integrated manner to predict population responses to novel, potentially harmful, chemicals. While much emphasis has been placed on improved biomonitoring and HTS approaches, research is needed to understand the underlying factors that influence human susceptibility and to develop tools and methods for the identification and use of susceptibility indicators in this context. This solicitation provides the opportunity for the submission of applications for projects that may involve human subjects research.

[http://epa.gov/ncer/rfa/2013/2013\\_star\\_chemical\\_exposure.html](http://epa.gov/ncer/rfa/2013/2013_star_chemical_exposure.html)">[http://epa.gov/ncer/rfa/2013/2013\\_star\\_chemical\\_exposure.html](http://epa.gov/ncer/rfa/2013/2013_star_chemical_exposure.html)

### New Methods in 21st Century Exposure Science

**Funding Opportunity Number:** EPA-G2013-STAR-K1

**Application Deadline:** Sep 17, 2013

**Description:** The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing innovative research to advance methods for characterizing real-world human exposure to chemicals associated with consumer products in indoor environments. Current understanding of human exposure to the chemical constituents of consumer products is limited due to inadequate information on formulations, emissions, and persistence in indoor environments associated with the diversity of usage scenarios. Methodological limitations currently impede collection of robust exposure information that is necessary to provide context for the results of a growing body of high throughput toxicity testing results and to characterize risk to human health for the general population and vulnerable groups. This solicitation seeks to support research that will: 1) develop and/or apply innovative technologies and methods to characterize presence and co-occurrence of suites of semi-volatile chemicals (dozens to hundreds) in real-world indoor environments associated with emissions from and use of consumer products; 2) generate data to advance the scientific basis of exposure predictions by providing values for key model parameters, building confidence in model assumptions, and confirming model predictions for relevant pathways; and 3) develop and/or apply innovative technologies and methods to profile chemicals and related metabolites associated with consumer products in biological media. This solicitation provides the opportunity for the submission of applications for projects that may involve human subjects research.

[http://www.epa.gov/ncer/rfa/2013/2013\\_star\\_exposure\\_science.html#AWARDII](http://www.epa.gov/ncer/rfa/2013/2013_star_exposure_science.html#AWARDII)

### Healthy Schools: Environmental Factors, Children's Health and Performance, and Sustainable Building Practices

**Funding Opportunity Number:** EPA-G2013-STAR-H1

**Application Deadline:** Oct 08, 2013

**Description:** The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research that will inform school (K-12 educational facilities) building design, construction and operation practices in order to foster safe and healthy school environments and maximize student achievement and teacher and staff effectiveness. Specifically, the goal is to understand the relationship between environmental factors defined broadly and the health, safety and performance of students, teachers and staff. In addition to health-related concerns, the school environment may similarly impact the performance of students, teachers and staff, including lowering student achievement outcomes, and reducing teacher effectiveness. Accordingly, research is needed to better understand the negative impacts of the school environment on students' health, safety, and achievement, and to measure the positive potential benefits of effectively managing environmental factors and applying sustainable building practices. The results of this research will help ensure that the risks of environmentally-

induced illness and injury to America's students, teachers and other school staff are diminished or avoided and that students, teachers and staff are provided with optimal learning environments in their schools.

[http://www.epa.gov/ncer/rfa/2013/2013\\_star\\_healthy\\_schools.html#ELIGIBILITY\\_INFORMATION](http://www.epa.gov/ncer/rfa/2013/2013_star_healthy_schools.html#ELIGIBILITY_INFORMATION)

## Miami-Dade County Department of Cultural Affairs

### Summer Arts & Science Camps for Kids (SAS-C) Grant Program

**Funding Opportunity Number:** N/A

**Pre-Application Deadline:** N/A

**Application Deadline:** Tuesday, October 22, 2013 – 4:00 PM

**Description:** The Summer Arts & Science Camps for Kids (SAS-C) grants program was created as a joint initiative of the Miami-Dade County Department of Cultural Affairs and The Children's Trust. The SAS-C Grants Program is funded by The Children's Trust. The Trust is a dedicated source of revenue established by voter referendum to improve the lives of children and families in Miami-Dade County. The objective of the SAS-C Program is to grant funding to non-profit organizations to provide underserved children in Miami-Dade County with opportunities to attend high quality cultural arts and science summer camp programs at little or no cost. Funding through the SAS-C Grants Program is intended to augment established, high quality programs, providing more children with the opportunity to participate in cultural arts and science summer camps. Priority attention is given to projects that address children whose ability to participate in such programs may be limited by geography, economics or disability. Applicants to this program must have a minimum one-year track record of providing high quality, comprehensive and specialized cultural arts or science camp programs for children and/or youth in Miami-Dade County. Applicants to this program must be the entity directly responsible for managing, overseeing and implementing ALL administrative aspects of the proposed camp program, including but not limited to camper registration, program design, implementation, contracting for outside artists/services, scheduling, reporting, data collection, etc. <http://miamidadearts.culturegrants.org/navigation/links/page/summer-arts-science-camps-for-kids-sas-c>

### Tourist Development Council Grant Program

**Funding Opportunity Number:** N/A

**Pre-Application Deadline:** N/A

**Application Deadline:** Thursday, October 25, 2013 – 4PM

**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>

### Audience Access Grant Program

**Funding Opportunity Number:** N/A

**Pre-Application Deadline:** 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>

## National Aeronautics & Space Administration

### Atmospheric Composition: Aura Science Team

**Funding Opportunity Number:** NNH13ZDA001N-AURAST

**Application Deadline:** September 6, 2013

**Description:** This solicitation seeks proposals for the analysis of satellite remote-sensing data of the Earth's atmosphere,

particularly those using data generated by the Earth Observing System (EOS) Aura A.17-2 satellite. We are also encouraging proposals that combine data from Aura with data from other sensors within the “A-Train” or AM constellations (particularly Aqua, Terra, CALIPSO, and CloudSAT) or satellites from other space agencies.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={656B0DE2-F0A3-8D25-B334-F6CB520B1E89}&path=open>

#### **Swift Guest Investigator Program**

**Funding Opportunity Number:** NNH13ZDA001N-SWIFT

**Application Deadline:** September 26, 2013

**Description:** The Swift Guest Investigator (GI) Program solicits proposals for basic research relevant to the Swift gamma-ray burst mission. The primary goal of this mission is to determine the origin of gamma-ray bursts (GRBs) and use these bursts to probe the early universe. Swift is also a valuable asset for obtaining multiwavelength images, spectra, and light curves on interesting Targets of Opportunity (ToOs) and other nontransient sources.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={6B41B47E-9FF6-3F58-CB45-AA37E432D883}&path=open>

#### **Ocean Vector Winds Science Team**

**Funding Opportunity Number:** NNH13ZDA001N- OVWST

**Pre-Application Deadline:** September 6, 2013

**Application Deadline:** October 31, 2013

**Description:** The Ocean Vector Winds Science Team (OVWST) supports the analysis and interpretation of ocean vector winds and other applications derived from Earth-observing missions carrying scatterometers and polarimetric radiometers.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={6112186B-DC2A-06E4-2A30-3470DFDDE51C}&path=open>

#### **Nancy Grace Roman Technology Fellowship**

**Funding Opportunity Number:** NNH13ZDA001N-RTF

**Pre-Application Deadline:** September 6, 2013

**Application Deadline:** November 7, 2013

**Description:** The goals of the Nancy Grace Roman Technology Fellowship (RTF) program in Astrophysics are to give early career researchers the opportunity to develop the skills necessary to lead astrophysics flight instruments/projects and become principal investigators (PIs) of future astrophysics missions; to develop innovative technologies that have the potential to enable major scientific breakthroughs; and to foster new talent by putting early-career instrument builders on a trajectory towards long-term positions. Institutions and organizations are encouraged to submit proposals under the RTF program on behalf of their outstanding early career researchers, including postdoctoral researchers, non-tenured faculty members, term civil servants, and employees who intend to develop careers involving Astrophysics innovation and technology development, with the individual as the PI. The RTF awards will be issued as grants, except in the case of Government employees who will be directly funded. <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={5862D16D-35A8-8C5D-D422-76E234610ED2}&path=open>

#### **National Endowment for the Arts**

**Research: Art Works Funding Opportunity Number:** 2014NEAORA

**Application Deadline:** Nov 5, 2013

**Description:** The NEA's Office of Research & Analysis will make awards to support research that investigates the value and/or impact of the arts, either as individual components within the U.S. arts ecology or as they interact with each other and/or with other domains of American life. The Arts Endowment's support of a project may start on May 1, 2014, or any time thereafter. <http://www.grants.gov/web/grants/search-grants.html>

## National Institutes of Health

### Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R21)

**Funding Opportunity Number:** (PA-13-288)

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

**Description:** The purpose of this FOA is to encourage behavioral and social science research on the causes and solutions to health and disabilities disparities in the U. S. population. Health disparities between, on the one hand, racial/ethnic populations, lower socioeconomic classes, and rural residents and, on the other hand, the overall U.S. population are major public health concerns. Emphasis is placed on research in and among three broad areas of action: 1) public policy, 2) health care, and 3) disease/disability prevention. Particular attention is given to reducing “health gaps” among groups. Applications that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as systems science or community-based participatory research are particularly encouraged. <http://grants.nih.gov/grants/guide/pa-files/PA-13-288.html>

### Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R01)

**Funding Opportunity Number:** (PA-13-292)

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

**Description:** The purpose of this FOA is to encourage behavioral and social science research on the causes and solutions to health and disabilities disparities in the U. S. population. Health disparities between, on the one hand, racial/ethnic populations, lower socioeconomic classes, and rural residents and, on the other hand, the overall U.S. population are major public health concerns. Emphasis is placed on research in and among three broad areas of action: 1) public policy, 2) health care, and 3) disease/disability prevention. Particular attention is given to reducing “health gaps” among groups. Applications that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as systems science or community-based participatory research are particularly encouraged. <http://grants.nih.gov/grants/guide/pa-files/PA-13-292.html>

### Research Project Grant (Parent R01)

**Funding Opportunity Number:** (PA-13-302)

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

**Description:** The Research Project Grant (R01) supports a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on descriptions of their programs. <http://grants.nih.gov/grants/guide/pa-files/PA-13-302.html>

### NIH Exploratory/Developmental Research Grant Program (Parent R21)

**Funding Opportunity Number:** (PA-13-303)

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

**Description:** The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. The R21 activity code 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 a field of biomedical, behavioral, or clinical research. <http://grants.nih.gov/grants/guide/pa-files/PA-13-303.html>

### NIH Small Research Grant Program (Parent R03)

**Funding Opportunity Number:** (PA-13-304)

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

**Description:** The National Institutes of Health (NIH) Investigator-Initiated Small Research Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. The R03



activity code supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. <http://grants.nih.gov/grants/guide/pa-files/PA-13-304.html>

#### **Institutional Research and Academic Career Development Awards (IRACDA) (K12)**

**Funding Opportunity Number:** (PAR-13-290)

**Application Receipt Date(s):** October 2, 2013; September 24, 2014; September 24, 2015

**Description:** The purpose of the Institutional Research and Academic Career Development Award (IRACDA) Program is to develop a diverse group of highly trained biomedical and behavioral scientists to address the Nation's biomedical workforce needs. The strategy is to promote effective partnerships between research-intensive institutions (RII) and institutions that have a historical mission or a demonstrated commitment to educating students from diverse backgrounds underrepresented in the biomedical and behavioral research enterprise of the nation. The IRACDA program provides support for a traditional mentored postdoctoral research experience at an RII combined with an opportunity for these fellows to develop critical academic skills, including teaching, through workshops and through mentored teaching assignments at a partner institution. The primary goals of the IRACDA program are to (1) develop a group of highly trained biomedical and behavioral scientists who have the necessary knowledge and skills to pursue independent research and teaching careers in academia; and (2) strengthen and modernize science educational offerings at partner institutions, and promote links between RII and the partner institution(s).

<http://grants.nih.gov/grants/guide/pa-files/PA-13-290.html>

#### **Research Centers in Injury and Peri-operative Sciences (P50)**

**Funding Opportunity Number:** (PAR-13-291)

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

**Description:** The National Institute of General Medical Sciences (NIGMS) encourages grant applications from institutions/organizations for Research Centers in Injury and Peri-operative Sciences (RCIPS). The program is meant to provide support to 1) improve understanding at all levels of the biological processes invoked after traumatic or burn injury, or in critically ill patients, including molecular and cellular, physiological, and multilevel integration of homeostatic loss and recovery, including pertinent aspects of wound healing; and 2) foster translational research, bringing basic scientific observations and principles into the clinical arena and using clinical observations to generate or validate mechanistic hypotheses. Applications should be built around a common theme for investigation. RCIPS applications may include interventional studies only if there is connection, harmonization and synergy with the biological and physiological processes under investigation. An application that solely proposes an interventional clinical trial would not be appropriate for this funding mechanism. Contact with the NIGMS program official at initial stages of program planning is strongly encouraged. <http://grants.nih.gov/grants/guide/pa-files/PA-13-291.html>

#### **Gut Microbiota-Derived Factors in the Integrated Physiology and Pathophysiology of Diseases within NIDDK's Mission (R01)**

**Funding Opportunity Number:** (PAR-13-293)

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage investigator-initiated multidisciplinary R01 research projects to define interactions between the host and the gut microbiota that regulate normal physiology and pathophysiology of diseases within NIDDK's mission. The goal of the research projects is to discover specific human gut microbiota-derived factors that affect or are affected by host physiology (including diet/nutrition), homeostasis, and disease pathophysiology. Proposed projects will also define the specific interactions and pathways by which microbiota-derived factors affect host processes within the gut and/or at distant organ sites.

<http://grants.nih.gov/grants/guide/pa-files/PA-13-293.html>

#### **Biomarkers: Bridging Pediatric and Adult Therapeutics (R21)**

**Funding Opportunity Number:** (PAR-13-295)

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

**Description:** This Funding Opportunity Announcement (FOA) encourages grant applications that propose adapting adult biomarkers to children. This would include the application and validation of biomarkers developed in adults to pediatric diagnosis, prognosis, and estimation of disease progression, toxicity and response to therapy. Projects supported by this FOA will be confined to those biomarkers that correlate with a clinical observation, have been exten-

sively studied in adults, and for which there is solid evidence that they have pediatric applications. Discovery of new biomarkers for use in new drug development or in preclinical studies is not part of this FOA. Also excluded are biomarkers for diseases that are unique to children and have no adult correlates. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-295.html>

**Biomarkers: Bridging Pediatric and Adult Therapeutics (R01)**

**Funding Opportunity Number:** (PAR-13-296)

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

**Description:** This Funding Opportunity Announcement (FOA) encourages grant applications that propose adapting adult biomarkers to children. This would include the application and validation of biomarkers developed in adults to pediatric diagnosis, prognosis, and estimation of disease progression, toxicity and response to therapy. Projects supported by this FOA will be confined to those biomarkers that correlate with a clinical observation, have been extensively studied in adults, and for which there is solid evidence that they have pediatric applications. Discovery of new biomarkers for use in new drug development or in preclinical studies is not part of this FOA. Also excluded are biomarkers for diseases that are unique to children and have no adult correlates. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-296.html>

**Biomarkers: Bridging Pediatric and Adult Therapeutics (R03)**

**Funding Opportunity Number:** (PAR-13-299)

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

**Description:** This Funding Opportunity Announcement (FOA) encourages grant applications that propose adapting adult biomarkers to children. This would include the application and validation of biomarkers developed in adults to pediatric diagnosis, prognosis, and estimation of disease progression, toxicity and response to therapy. Projects supported by this FOA will be confined to those biomarkers that correlate with a clinical observation, have been extensively studied in adults, and for which there is solid evidence that they have pediatric applications. Discovery of new biomarkers for use in new drug development or in preclinical studies is not part of this FOA. Also excluded are biomarkers for diseases that are unique to children and have no adult correlates. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-299.html>

**NLM Express Research Grants in Biomedical Informatics (R01)**

**Funding Opportunity Number:** (PAR-13-300)

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

**Description:** The National Library of Medicine (NLM) offers support for innovative research in biomedical informatics. The scope of NLM's interest in the research domain of informatics is interdisciplinary, encompassing informatics problem areas in the application domains of health care, public health, basic biomedical research, bioinformatics, biological modeling, translational research and health information management in disasters. NLM defines biomedical informatics as the science of optimal organization, management, presentation and utilization of information relevant to human health and biology. Informatics research produces concepts, tools and approaches that advance what is known in the field and have the capacity to improve human health. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-300.html>

**The Role of the Cytoskeleton in Cellular Aging (R21/R33)**

**Funding Opportunity Number:** (PAR-13-301)

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

**Description:** The purpose of this FOA is to stimulate the development of innovative research strategies aimed at increasing the understanding of the molecular and cellular changes in the cytoskeleton that occur during the aging process. Applications considering the effect of age on factors such as cytoskeleton structure and function, the impact of the cytoskeleton on intracellular organelle interactions, and signaling or regulatory molecules controlling cellular architecture are encouraged. There is also interest in studying the role of the cytoskeleton in nuclear-cytoplasmic communications, and in spatio-temporal relationships during the aging process and in age-related diseases. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-301.html>

**Collaborative Interdisciplinary Team Science in NIDDK Research Areas (R24)**

**Funding Opportunity Number:** (PAR-13-305)

**Application Receipt Date(s):** November 15, 2013; November 13, 2014; and November 17; 2015

**Description:** The purpose of this FOA is to encourage applications that assemble an interdisciplinary, collaborative team of creative, independent, and funded investigators to address a complex and important problem relevant to the mission of NIDDK. The team should be able to provide an integrative plan of working together to effectively address the complex challenge at hand. The team science approach encouraged by this FOA could be used to generate a research resource, which may include discovery-based or hypothesis-generative approaches, to advance the relevant area of biomedical research. <http://grants.nih.gov/grants/guide/pa-files/PA-13-305.html>

#### **Expansion of the MAPP Research Network (U01)**

**Funding Opportunity:** RFA-DK-13-025

**Application Receipt Date(s):** November 27, 2013

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

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

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

**Funding Opportunity:** RFA-RM-13-013

**Application Receipt Date(s):** December 19, 2013

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

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

**Strategic Alliances for Medications Development to Treat Substance Use Disorders (R01)****Funding Opportunity:** PAR-13-334**Application Receipt/Submission Date(s):** March 27, 2014, July 28, 2014, March 27, 2015, July 28, 2015, March 28, 2016, July 28, 2016, by 5:00 PM local time of applicant organization. AIDS Application Due Dates: May 7, 2014, September 7, 2014, May 7, 2015, September 7, 2015, May 7, 2016, September 7, 2016, by 5:00 PM local time of applicant organization.

**Description:** NIDA grant-funded research programs aiming to develop medications for the treatment of Substance Use Disorders (SUDs) are often hindered by a lack of both human and financial resources. Drug development is a lengthy process that requires a wide range of skill sets. Consequently, individual grantees with the necessary expertise in one area of medications development are often unable to advance a project through the next stage because of a lack of real world experience in the development process and/or the financial resources to advance a medication through the development pipeline in an acceptable timeframe. The purpose of this Funding Opportunity Announcement (FOA) is to support research that advances compounds towards FDA approval by leveraging NIDA funds with the strengths and resources of outside organizations, such as for-profit and not-for-profit entities, including academic institutions, pharmaceutical and biotechnology companies, private and public foundations, and small businesses. Applications from single entities that possess considerable resources for medications development will also be considered, provided the entity demonstrates a significant resource commitment to the proposed project. A resource commitment from a single entity could, for example, consist of salary support for key personnel or production and formulation of clinical trial material. It is anticipated that in comparison with traditional grant-funded research, strategic alliances will increase the pace at which medications to treat SUDs move through the drug development process. Both the term (up to three years) and budget (up to \$2,000,000/year in direct costs) of the grant are consistent with the objective of accelerating the pace of medications development compared to traditional research project grant funding. Project aims can range from the development of a new molecular entity to the expansion of an existing medication's clinical indication(s). Each project must have a defined entry and exit point in the medications development pathway, with the objective of advancement in the FDA approval process. It is hoped that support for these collaborations will accelerate the rate of medications development for Substance Use Disorders. <http://grants.nih.gov/grants/guide/pa-files/PA-13-334.html>

**NHLBI Investigator-Initiated Resource-Related Research Projects (R24)****Funding Opportunity:** PAR-13-335**National Heart, Lung, and Blood Institute****Application Receipt/Submission Date(s):** October 29, 2013

**Description:** This Funding Opportunity Announcement (FOA), issued by the NHLBI, invites Resource-Related Research Project applications (R24) to support projects that will enhance the capabilities of ongoing basic, translational, and clinical research through the development of resources or infrastructure for use by the broader scientific community for furthering research. The scope of the R24 must address a critical national need that fulfills the NHLBI's strategic vision. <http://grants.nih.gov/grants/guide/pa-files/PaAR-13-335.html>

**United States Agency of International Development (USAID)****Health Information, Policy and Advocacy (HIPA) Project****Funding Opportunity Number:** RFA-442-13-000003**Application Deadline:** October 2<sup>nd</sup>, 2013

**Description:** The United States Agency for International Development (USAID), is seeking applications (proposals for funding) from U.S. or non-U.S. nongovernmental organizations (NGOs), public international organizations (PIO or IO), or other qualified organizations as primary recipients to support the Ministry of Health's (MoH) strategy to strengthen the quality and relevance of data available for decision-making, and to facilitate the roll-out of National Decentralization and Deconcentration (D & D) initiative. Please refer to the Program Description (RFA Section I) for a complete statement of goals and expected results. <http://www.grants.gov/web/grants/view-opportunity.html?oppId=235314>

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