

1-2014

## DoR Communicator - January 2014

Division of Research, Florida International University

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## Major publications have seized upon FIU research

*Medical studies have captured attention in recent months*

By Alexandra Pecharich

January 2014 Issue

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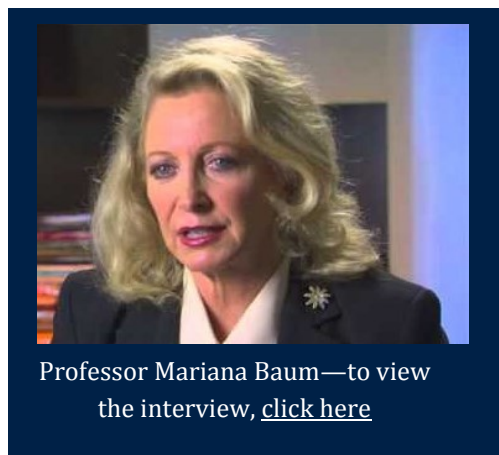
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The *Journal of the American Medical Association* (JAMA) sent a video production crew to tape an interview with **Mariana Baum**, a professor of dietetics and nutrition in the Robert Stempel College of Public Health and Social Work. That piece accompanied the release of her study results in the journal's November 26 issue. Baum and colleagues **Adriana Campa** and **Sabrina Sales** conducted research related to HIV in Botswana, work that was funded by the National Institute on Drug Abuse and undertaken in collaboration with Harvard University. Their investigations revealed that long-term (24-month) supplementation with multivitamins plus selenium for patients recently infected with HIV who had not received antiretroviral therapy was not only safe but delayed the progression of the disease.

JAMA considered the results promising enough to feature the study not just in stories that appeared both in print and online but to have Baum discuss her findings in the video.



Professor Mariana Baum—to view the interview, [click here](#)

In October, the medical journal *Pediatrics* published the results of research that examined the effects of a child's

death on the health of parents. **JoAnne Youngblut** and **Dorothy Brooten** of the Nicole Wertheim College of Nursing & Health Sciences conducted the five-year study that looked at how the health and functioning of 249 Hispanic, black and white parents changed after the loss of a child in a hospital intensive care unit. The project was funded by a \$2.15 million grant from the National Institutes of Health National Institute of Nursing Research.

The pair found that approximately one third of parents go on to suffer from clinical depression or clinical post-traumatic stress disorder up to 13 months after a child's death. In addition to these mental-health problems, other newly diagnosed chronic health conditions included angina, hypertension, arthritis and asthma. Two mothers reported newly diagnosed cancer.

*Scientific Reports* in October published research made possible through interdisciplinary collaboration. **Carolyn Runowicz**, a professor of gynecology and obstetrics and executive dean for academic affairs at the Herbert Wertheim College of Medicine (HWCOM), and **Sakhrat Khizroev**, a professor of electrical and computer engineering at the College of Engineering and Computing, reported on a potential breakthrough in the treatment of ovarian cancer: a novel way to deliver cancer-killing drugs using nano-technology.

The study was conducted by a team at the Center for Personalized NanoMedicine, a research center at HWCOM's Institute of NeuroImmune Pharmacology (INP), and included **Madhavan Nair**, director of INP; **Venkata Atluri**, a postdoctoral associate at INP; **Rakesh Guduru**, a Ph.D. candidate in electrical and computer engineering; and **Ping Liang** from the University of California, Riverside.

## Upcoming Events

### January 2014

- **January 14** from 12 to 1:30 pm at the Faculty Club, “Faculty Mentor Lunch for CAS-CEC-RSCPHSW for mentor/mentee pairs,” with raffle for 8 free lunches.
- **January 14** from 3 to 4:45 pm AHC-4, 101 (1<sup>st</sup> floor auditorium), “**Computational Molecular Dynamics: From Quantum Chemistry to Molecular Biophysics to Biology**,” a presentation in honor of the Nobel Prize in Chemistry 2013 being awarded “for the development of multi-scale models for complex chemical systems.” A panel of six faculty from CEC (Computing and Information Sciences) and CAS (Physics, Chemistry & Biochemistry, and Biological Sciences) will be presenting on research at FIU and elsewhere. This is an invitation to experimental scientists to join us in the discussion of collaborative, perhaps interdisciplinary, projects. To **RSVP**, visit the [BSI Lecture Series](#) site or email [sish@fiu.edu](mailto:sish@fiu.edu) and please feel free to drop in to the workshop anytime as it fits into your schedule!
- **January 17** from 1 to 2:30pm at AHC-II 556, the Department of Epidemiology at the Robert Stempel College of Public Health and Social Work will host a college-wide monthly seminar—Research in Progress—where faculty and doctoral students discuss research and grant ideas to develop and refine their research proposals and create collaborative research opportunities.
- **January 29 & 30** from 8:30 am to 5 pm at the MARC Pavilion, Southern HIV and Alcohol Research Consortium ([SHARC](#)) Scientific Advisory Board Meeting and Research Conference. Please register at <http://sharc-research.org/conference/electronic-registration-conference-2014/>

### February 2014

- **February 1** from 9 am to 5 pm at Biscayne Bay Campus, Biology Research Symposium—registration closes on January 17 and you must [register](#) for the conference.
- **February 4** from 3:30 to 4:45 pm in the MARC Pavilion, **LAUNCH: Individualized Mentoring Team for New Faculty**, presented by [Katherine Spindler](#), University of Michigan, as part of the Faculty Mentor Program workshop series and NSF ADVANCE grant.
- **February 7** from 1 to 2:30pm at AHC-II 556, the Department of Epidemiology at the Robert Stempel College of Public Health and Social Work will host a college-wide monthly seminar—Research in Progress—where faculty and doctoral students discuss research and grant ideas to develop and refine their research proposals and create collaborative research opportunities.
- **February 11** at 7 pm at Luna Star Café, 775 NE 12<sup>5th</sup> Street, North Miami—[Evolutionary Traps](#)—Professor Jennifer Rehage will discuss her research and scientific approaches needed to predict and mitigate the impacts of traps on animal populations.
- **February 13 and 14**, 8 am to 5 pm at MARC Pavilion, 16<sup>th</sup> Annual Biomedical and Comparative Immunology Symposium. **Abstract submissions due January 16.**
- **February 20** from 3 to 5 pm in the MARC Pavilion, **Tips for Writing Grants**, presented by [Catarina Kiefe](#), Chair, Department of Quantitative Health Sciences, University of Massachusetts, College of Medicine, as part of the Faculty Mentor Program workshop series.
- **February 26-28** from 8:30 am to 5 pm at FIU Graham Center Ballrooms, 4<sup>th</sup> International Conference on Tropical Medicine. Abstract submission deadline is January 31, 2014. Free for all FIU students. Please register at <http://medicine.fiu.edu/tropicalmedicine2014/>

## Awards Received—November 2013

Florida International University researchers were awarded \$2,612,080 in **November 2013**. Below is a summary.

**PI:** Malek Adjouadi

**BIOMEDICAL ENGINEERING**

**Award Action Type:** Increase

**AWARDING SPONSOR:** FIU Foundation

**TITLE:** The Ware Foundation Research Endowment

**AWARD:** \$

33

<b>PI:</b> Malek Adjouadi <b>ELEC AND COMPUTER ENG</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Mount Sinai Medical Center <b>TITLE:</b> Imaging for Alzheimer Detection and Prediction	<b>AWARD: \$</b> 8,250
<b>PI:</b> Joann Arnowitz <b>JEWISH MUSEUM OF FLORIDA-FIU</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Florida Division of Cultural Affairs <b>TITLE:</b> General Operating Support for JMOF 2013-2014	<b>AWARD: \$</b> 35,271
<b>PI:</b> Elena Maria Bastida <b>HEALTH PROMO AND DISEASE PREV</b> <b>Award Action Type:</b> Increase <b>AWARDING SPONSOR:</b> Minority Health and Health Disparities <b>TITLE:</b> Beyond SABOR: A Border Embedded Health Promotion	<b>AWARD: \$</b> 720
<b>PI:</b> Shekhar Bhansali <b>DOR - DIVISION OF RESEARCH</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> FIU Division of Research <b>TITLE:</b> DOR Support for the Bridge to Doctorate	<b>AWARD: \$</b> 24,262
<b>PI:</b> Shekhar Bhansali <b>ELEC AND COMPUTER ENG</b> <b>Award Action Type:</b> Increase <b>AWARDING SPONSOR:</b> North Carolina State University <b>TITLE:</b> Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)	<b>AWARD: \$</b> 28,980
<b>PI:</b> Shekhar Bhansali <b>ELEC AND COMPUTER ENG</b> <b>Award Action Type:</b> Increase <b>AWARDING SPONSOR:</b> North Carolina State University <b>TITLE:</b> (ASSIST): Participant Payments	<b>AWARD: \$</b> 30,058
<b>PI:</b> Erika K Coles <b>CENTER FOR CHILDREN AND FAM</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Nova Southeastern University <b>TITLE:</b> Capacity Building Services	<b>AWARD: \$</b> 26,311
<b>PI:</b> Helen Z Cornely <b>NURSING AND HLTH SCI DEANS OFF</b> <b>Award Action Type:</b> Increase <b>AWARDING SPONSOR:</b> Health Resources & Services Administration <b>TITLE:</b> Scholarship for Disadvantaged Students	<b>AWARD: \$</b> 5,000
<b>PI:</b> Maria C Donoso <b>EARTH AND ENVIRONMENT</b> <b>Award Action Type:</b> Increase <b>AWARDING SPONSOR:</b> US Agency for International Development <b>TITLE:</b> West Africa Water Supply	<b>AWARD: \$</b> 1,886

**PI:** George S Dulikravich  
**MECHANICAL AND MAT ENGINEERING**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** Direct and Inverse Design Optimization of Magnetic Alloys Without Rare Earth Elements **AWARD:** \$ 224,994

**PI:** Jacqueline R Evans  
**PSYCHOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** American Psychology Law Society  
**TITLE:** Detecting Deception in Non-native Speakers **AWARD:** \$ 5,000

**PI:** Francisco Alberto Fernandez Lima  
**CHEMISTRY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Mass Spectrometry based molecular imaging of native biological nanodomains **AWARD:** \$ 238,134

**PI:** Brian Fonseca  
**POLITICS AND INTL RELATIONS**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** CACI International Inc  
**TITLE:** FIU SOUTHCOM Academic Roundtable Series **AWARD:** \$ 36,693

**PI:** Rebecca Friedman  
**SIPA**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** European Commission  
**TITLE:** Miami-Florida European Center of Excellence **AWARD:** \$ 962

**PI:** Miroslav F Gantar  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Institute of International Education  
**TITLE:** Optimization of phycocyanin production **AWARD:** \$ 1,000

**PI:** Anuradha Godavarty  
**BIOMEDICAL ENGINEERING**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Hand-held Optical Imager for Breast Cancer Imaging **AWARD:** \$ 767

**PI:** Gueo V Grantcharov  
**MATH AND STATISTICAL SCIENCES**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** Simons Foundation  
**TITLE:** Geometry of Complex Non-Kaehler Manifolds **AWARD:** \$ 7,000

**PI:** Lei Guo  
**PHYSICS**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Jefferson Lab  
**TITLE:** Hadron Spectroscopy at Jefferson Lab **AWARD:** \$ 8,955

**PI:** Anibal Gutierrez Jr.  
**CENTER FOR CHILDREN AND FAM**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Organization for Autism Research  
**TITLE:** Operant and Respondent Procedures to Establish Social Stimuli as Reinforcers in Children with Autism **AWARD: \$ 1,900**

**PI:** Mohammed A Hadi  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Florida  
**TITLE:** Dynamic Traffic Control Interventions for Enhanced Mobility and Economic Competitiveness **AWARD: \$ 68,200**

**PI:** Mohammed A Hadi  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** SAIC  
**TITLE:** FHWA DTA Training Workshop Scope **AWARD: \$ 34,164**

**PI:** Shahid Hamid  
**INTERNATIONAL HURRICANE CENTER**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** State Board Administration of Florida  
**TITLE:** Florida Hurricane Catastrophe Fund Section I Ratemaking **AWARD: \$ 8,040**

**PI:** Michelle Hospital  
**ICHAD**  
**Award Action Type:** Pre-Award  
**AWARDING SPONSOR:** Pennsylvania State University  
**TITLE:** A Longitudinal Study of Parent Communication with College Students about Alcohol **AWARD: \$ 30,736**

**PI:** Arif Islam  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Power and Light  
**TITLE:** Smart Grid: Game Changer for Lifestyle Elevation **AWARD: \$ 35,000**

**PI:** Rudolf Jaffe  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** Sheetflow Effects and Canal Backfilling on Sediment Source and Transport in the DECOMP Physical Model: Analysis of Molecular Organic Biomarkers **AWARD: \$ 150,000**

**PI:** Leonel Lagos  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Jacobs Engineering Group  
**TITLE:** Florida International University proposes the following services pertaining to the development of a program for Windamir Development and Construction. **AWARD: \$ 8,858**

**PI:** Cathy Leff  
**THE WOLFSONIAN**  
**Award Action Type:** Initial

**AWARDING SPONSOR:** Miami-Dade County Cultural Affairs  
**TITLE:** Wolfsonian Major Cultural Institutions (MCI) FY 13-14 **AWARD:** \$ 278,568

**PI:** Cathy Leff  
**THE WOLFSONIAN**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Cultural Affairs  
**TITLE:** FY 2013-2014 CAP Grant **AWARD:** \$ 5,000

**PI:** Cathy Leff  
**THE WOLFSONIAN**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Wells Fargo Social Responsibility Group  
**TITLE:** Family Programming: Discovering Design **AWARD:** \$ 20,000

**PI:** Mary J Levitt  
**PSYCHOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Russell Sage Foundation  
**TITLE:** Students from Other Lands: Findings and Recommendations from Project SOL **AWARD:** \$ 23,091

**PI:** Purnima Madhivanan  
**EPIDEMIOLOGY**  
**Award Action Type:** Initial  
**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:** \$ 21,426

**PI:** H Virginia McCoy  
**HEALTH PROMO AND DISEASE PREV**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Puerto Rico  
**TITLE:** Florida Puerto Rico Public Health Research **AWARD:** \$ 42,223

**PI:** Maria Jose Miguez Perez  
**SISH**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** University of Florida  
**TITLE:** Southern HIV and Alcohol Research Consortium - SHARC **AWARD:** \$ 112,018

**PI:** Maria Jose Miguez Perez  
**SISH**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** University of Florida  
**TITLE:** Pharmacotherapy for alcohol consumption in HIV Positive Women: Randomized Clinical Trail-Subproject **AWARD:** \$ 182,000

**PI:** Norman D Munroe  
**OSAS ENGINEERING AND COMPUTING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Public Schools  
**TITLE:** Florida Minorities in Engineering (FLAME) **AWARD:** \$ 45,997

**PI:** Olga Nazario  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Mendez England & Associates  
**TITLE:** Professional Services of Olga Nazario for ME&A **AWARD:** \$ 23,136

**PI:** Inge Nissen  
**ATHLETICS DEPARTMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Cultural Affairs  
**TITLE:** FIU Women's Basketball TDC Grant 2013 **AWARD:** \$ 4,000

**PI:** Niki J Pissinou  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** REU SITE: ASSET: Research Experiences for Undergraduates in Advanced Secured Sensor Enabling Technologies **AWARD:** \$ 120,000

**PI:** Rene Price  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** Hydrological Conditions of Mangrove Lakes Region of Everglades National Park **AWARD:** \$ 100,203

**PI:** Rene Price  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** LILA: Phase V: Loxahatchee Impoundment Landscape Assessment Tree Island, Ridge and Slough Studies LILA: Phase V: Price **AWARD:** \$ 24,663

**PI:** Michael S Ross  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** LILA: Phase V: Loxahatchee Impoundment Landscape Assessment Tree Island, Ridge and Slough Studies LILA: Phase V: Ross **AWARD:** \$ 48,096

**PI:** Sofia Santiesteban  
**COLLEGE ACCESS**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Education Fund  
**TITLE:** South Florida Center of Excellence at FIU 2013-2014 **AWARD:** \$ 26,000

**PI:** Leonard Scinto  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** LILA: Phase V: Loxahatchee Impoundment Landscape Assessment Tree Island, Ridge and Slough Studies LILA: Phase V: Loxahatchee Imp **AWARD:** \$ 97,240



**PI:** Ernest Simms

**STUDENT AFFAIRS VICE PRES OFF**

**Award Action Type:** Increase

**AWARDING SPONSOR:** U.S. Department of Education

**TITLE:** Upward Bound Math-Science 12-17

**AWARD:** \$ 44,554

**PI:** Joel Trexler

**SOUTHEAST ENV RESEARCH CTR**

**Award Action Type:** Increase

**AWARDING SPONSOR:** Springer

**TITLE:** Oecologia Editor-in-Chief

**AWARD:** \$ 360

**PI:** Yukching Tse Dinh

**CHEMISTRY**

**Award Action Type:** Continuation

**AWARDING SPONSOR:** National Institutes of Health

**TITLE:** Bacterial cell killing by topoisomerase I mediated DNA lesion

**AWARD:** \$ 336,844

**PI:** Hugh E Willoughby

**EARTH AND ENVIRONMENT**

**Award Action Type:** Increase

**AWARDING SPONSOR:** Rosenstiel School for Marine & Atmospheric

**TITLE:** Re-analysis of the Atlantic Basin Tropical Cyclone Database in the Modern Era

**AWARD:** \$ 35,489

## *Limited Submission Funding Opportunities*

Below is a limited submission funding opportunity with an internal deadline for the month of February 2014.

Agency	Program	Institutional Submission Limits	Internal Deadline	Agency Deadline
Miami Dade County Department of Cultural Affairs	<a href="#"><u>FY 2013-2014 TOURIST DEVELOPMENT COUNCIL GRANTS PROGRAM</u></a>	Two applications per fiscal year. Contingent upon the number of applications received based on Miami-Dade County's fiscal year (October 1 - September 30)	2/10/2014	4/10/2014
National Aeronautics and Space Administration (NASA)	<a href="#"><u>For High-Impact, National, Strategic STEM Education Partnerships (EDUCATION01SP13)</u></a>	Eligible organizations may submit only one (1) response at a time.	2/28/2014	4/30/2014

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 Defense

#### National Security Science and Engineering Faculty Fellowship

**Funding Opportunity Number:** ONRFOA14-005

**Application Deadline:** May 12, 2014

**Description:** The National Security Science and Engineering Faculty Fellowship (NSSEFF) program is sponsored by the Basic Research Office, Office of Assistant Secretary of Defense for Research and Engineering (ASD (R&E)). NSSEFF supports innovative basic research within academia, as well as education initiatives that seek to create and develop the next generation of scientists and engineers for the defense and national security workforce.

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

**Acute Care Cover for Severely Injured Limbs****Funding Opportunity Number:** 14-SN-0003**Application Deadline: January 27, 2014**

**Description:** The Office of Naval Research (ONR) is interested in receiving proposals for the initial development of the “Acute Care Cover for Severely Injured Limbs” (ACCSIL). ACCSIL will be an advanced field dressing with capabilities beyond those currently available today for battlefield care of severely injured arms or legs. It is intended for application by corpsmen/medics/first responders at the point of injury and removal by medical care providers at Medical Treatment Facilities (MTF) that can provide definitive care. ACCSIL is intended for use on a wide variety of severe injuries including: avulsions, amputations, lacerations, compound and other fractures, thermal and chemical burns, degloving, deep and widespread abrasions, etc. This product will preserve viable tissue and diminish post-injury, negative, secondary sequelae in order to reduce morbidity and mortality. ACCSIL is intended to preserve the tissues of the injured limb in the best possible state during delays prior to evacuation and during evacuation itself. Optimally, at the time ACCSIL is removed, the limb, although injured, will be as fresh, well perfused, viable, and uninfected as at the moment of injury.

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

**Manufacturing Experimentation and Outreach Two (MENTOR2)****Funding Opportunity Number:** DARPA-BAA-14-12**Application Deadline: January 21, 2014**

**Description:** DARPA is soliciting research proposals in the area of new secondary school and post-secondary school teaching tools and materials in the fields of electromechanical design and manufacturing. By developing these tools and materials, the Manufacturing Experimentation and Outreach Two (MENTOR2) program aims to catalyze learning necessary to understand, diagnose, repair, and adapt high technology systems in austere environments. See attached DARPA-BAA-14-12.

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

**SIGMA****Funding Opportunity Number:** DARPA-BAA-14-11**Application Deadline: January 30, 2014**

**Description:** The SIGMA Program in DARPA’s Defense Sciences Office (DSO) is seeking innovative ideas to provide novel approaches to low cost, high efficiency, packaged radiation detectors for identifying hidden threats, ranging from special nuclear materials (SNM) to radiological sources. See attached DARPA-BAA-14-11.

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

**Department of Education****OSERS: NIDRR: Disability and Rehabilitation Research Projects Centers Program: Minority-Serving Institution Field Initiated Projects Program****Funding Opportunity Number(s):** ED-GRANTS-111913-001 (Research); ED-GRANTS-111913-002 (Development)**CFDA Number(s):** 84.133G-4 (Research); 84.133G-5 (Development)**Deadline for Transmittal of Applications: January 21, 2014**

**Description:** The purpose of the Field-Initiated (FI) Projects program is to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe disabilities. Another purpose of the FI Projects program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended (Act). NIDRR makes two types of awards under the FI Projects program:

1. 84.133G-4 Research: ED-GRANTS-111913-001—In carrying out a research activity under an FI Projects research grant, a grantee must identify one or more hypotheses or research questions and, based on the hypotheses or research questions identified, perform an intensive, systematic study directed toward producing (1) new or full scientific knowledge, or (2) better understanding of the subject, problem studied, or body of knowledge.
2. 84.133G-5 Development: ED-GRANTS-111913-002—In carrying out a development activity under an FI Projects development grant, a grantee must use knowledge and understanding gained from research to create materials, devices, systems, or methods beneficial to the target population, including design and development of prototypes and processes. “Target population” means the group of individuals, organizations, or other entities expected to be affected by the project. More than one group may be involved since a project may affect those who receive services, provide services, or administer services.

A pre-application meeting will be held between 1:00 p.m. and 3:00 p.m. on December 12, 2013 by teleconference. Interested parties are invited to participate in the pre-application meeting to discuss the funding priority and to receive information and technical assistance. You must contact Marlene Spencer at [marlene.spencer@ed.gov](mailto:marlene.spencer@ed.gov) by December 11, 2013 in order to participate in this meeting. NIDRR staff also will be available to provide information and technical assistance via individual phone consultations from 3:30 p.m. to 4:30 p.m. on December 12, 2013. Requests for individual consultations during this one hour window must be made in advance to Marlene Spencer. For more information, visit [www.grants.gov](http://www.grants.gov) and search by opportunity number.

**Disability and Rehabilitation Research Projects and Centers Program: Disability and Rehabilitation Research Projects (DRRPs): Employment of Individuals with Disabilities**

**Funding Opportunity Number(s):** various listed below by priority

**CFDA Number:** 84.133A

**Deadline for Notice of Intent to Apply: January 3, 2014**

**Deadline for Transmittal of Applications:** January 28, 2014

**Description:** The purpose of DRRPs, which are under NIDRR's Disability and Rehabilitation Research Projects and Centers Program, is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended, by developing methods, procedures, and rehabilitation technologies that advance a wide range of independent living and employment outcomes for individuals with disabilities, especially individuals with the most severe disabilities. DRRPs carry out one or more of the following types of activities, as specified and defined in 34 CFR 350.13 through 350.19: research, training, demonstration, development, dissemination, utilization, and technical assistance. There are four priorities for these competitions.

1. DRRP on Community Living and Participation of Individuals with Disabilities.
  - a. 84.133A-4 (Research) Funding Opportunity: ED-GRANTS-112913-001
  - b. 84.133A-9 (Development) Funding Opportunity: ED-GRANTS-112913-002
2. DRRP on Health and Function of Individuals with Disabilities.
  - a. 84.133A-3 (Research) Funding Opportunity: ED-GRANTS-112913-003
  - b. 84.133A-8 (Development) Funding Opportunity: ED-GRANTS-112913-004
3. DRRP on Employment of Individuals with Disabilities.
  - a. 84.133A-1 (Research) Funding Opportunity: ED-GRANTS-112913-005
  - b. 84.133A-7 (Development) Funding Opportunity: ED-GRANTS-112913-006
4. General DRRP Requirements.

A pre-application meeting will be held between 1:00 p.m. and 3:00 p.m. (Washington, D. C. time) on December 20, 2013 by teleconference. Interested parties are invited to participate in the pre-application meeting to discuss the funding priority and to receive information and technical assistance. You must contact Marlene Spencer at [marlene.spencer@ed.gov](mailto:marlene.spencer@ed.gov) by December 19, 2013 in order to participate in this meeting. NIDRR staff also will be available to provide information and technical assistance via individual phone consultations from 3:30 p.m. to 4:30 p.m. (Washington, D. C. time) on December 20, 2013. Requests for individual consultations during this one hour window must be made in advance to Marlene Spencer. Due to the open nature of the DRRP on Employment of Individuals with Disabilities competition, and to assist with the selection of reviewers for this competition, NIDRR is requesting all potential applicants to **submit a Letter of Intent (LOI) by January 3, 2014**. For more information, visit [www.grants.gov](http://www.grants.gov) and search by opportunity number.

**The Office of Special Education and Rehabilitative Services (OSERS): Rehabilitation Training: Rehabilitation Long-Term Training Program: Vocational Rehabilitation Counseling**

**Funding Opportunity Number:** ED-GRANTS-110513-001

**CFDA Number(s):** 84.129B

**Deadline for Transmittal of Applications:** February 3, 2014

**Description:** The purpose of the Rehabilitation Long-Term Training program is to support projects that provide training, traineeships, and related activities, to assist in increasing the numbers of qualified personnel trained in providing vocational, medical, social, and psychological rehabilitation services, and other services provided to individuals with disabilities under the Rehabilitation Act of 1973, as amended. Projects funded under the present competition must provide training leading to a master's degree in rehabilitation counseling. The Rehabilitation Services Administration (RSA) will conduct three Pre-Application Webinars:

- Wednesday, November 20, 2013 at 2:00 PM Eastern Time

For updates, corrections, suggestions, and/or general comments, please email [Mercedes.rodriguez@fiu.edu](mailto:Mercedes.rodriguez@fiu.edu)

- ~~Wednesday, December 4, 2013 at 2:00 PM Eastern Time~~
- **Wednesday, January 8, 2014 at 2:00 PM Eastern Time**

All Webinars will be recorded and archived on the National Clearinghouse for Rehabilitation Training Materials (NCRTM: <https://ncrtm.org/>) Web site within 2 business days. All Webinars will begin at 2:00 PM Eastern Time and will last approximately 1.5 hours in length. For more information, visit [www.grants.gov](http://www.grants.gov) and search by opportunity number.

## Department of Justice

### Office on Violence Against Women

#### OVW FY 2014 Rural Sexual Assault, Domestic Violence, Dating Violence and Stalking Assistance Program

Funding Opportunity Number: OVW-2014-3695

**Application Deadline: January 23, 2014**

**Description:** All applications must be submitted through DOJ's online Grants Management System (GMS). Refer to How to Apply for more information on how to register with GMS on page 11 of the solicitation.

<http://www.ovw.usdoj.gov/docs/fy-2014-rural-solicitation.pdf>

### Office on Violence Against Women

#### VW FY 2014 Legal Assistance for Victims Grant Program-Sexual Assault and/or Tribal Focus

Funding Opportunity Number: OVW-2014-369

**Application Deadline: January 30, 2014**

**Description:** Civil Legal Assistance for Victims Grant Program.

<http://www.ovw.usdoj.gov/docs/2014-lav-solicitation.pdf>

### Office of Justice Programs

#### FY 2014 U.S. Department of Justice Coordinated Tribal Assistance Solicitation

Funding Opportunity Number: DOJ-2014-3709

**Application Deadline:** March 24, 2014

**Description:** In 2009, based on a series of meetings across the country addressing violent crime in Tribal communities, the DOJ made the decision to decrease the number of applications Tribes and Tribal consortia were required to submit to receive grant funds from the U.S. Department of Justice (DOJ). In 2010, DOJ launched its first-ever Coordinated Tribal Assistance Solicitation (CTAS) combining DOJ's existing Tribal government-specific competitive solicitations into one, and thus requiring only one application from each Tribe or Tribal consortium.

<http://www.grants.gov/web/grants/search-grants.html>

## Department of Labor

### Youth CareerConnect Program (NOTE: FIU is not eligible to be a lead applicant, but could be a partner organization)

Funding Opportunity Number: SGA-DFA-PY-13-01

**Application Deadline: January 27, 2014**

**Description:** The ultimate goals for the program are to ensure that participants gain academic and occupational skills by completing the program and graduating from high school; move into a positive placement following high school that includes unsubsidized employment, post-secondary education, long-term occupational skills training, or Registered Apprenticeship; obtain an industry-recognized credential in an H-1B industry or occupation for those industries where credential attainment is feasible by program completion, in addition to a high school diploma; and earn post-secondary credit towards a degree or credit-bearing certificate issued by an institution of higher education.

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

## Environmental Protection Agency

### Evaluation of Multiple Shallow-water Systems Analysis to Improve the Assessment of Chesapeake Bay Water Clarity and Submerged Aquatic Vegetation Water Quality Standards

Funding Opportunity Number: EPA-R3-CBP-14-02

**Application Deadline: January 9, 2014**

**Description:** The U.S. Environmental Protection Agency's (EPA) Chesapeake Bay Program Office (CBPO) is

announcing a Request for Proposals (RFP) for applicants to provide the Chesapeake Bay Program (CBP) partners with proposals for the application of shallow-water models to improve Chesapeake Bay shallow-water simulations of dissolved oxygen, chlorophyll a, suspended solids, and water clarity in order to better understand the impacts of alternative management strategies on water quality and living resources in the tidal Chesapeake Bay. The RFP is also seeking proposals for the evaluation of the multiple, developed shallow-water models. Over the course of the two-year project, multiple modeling teams will be funded to apply different shallow-water models using common forcing conditions over a three- to five-year-base-case run at specified shallow-water sites. EPA will also fund an independent model evaluation team that will use state-of-the-art metrics to assess the relative skill of these shallow-water models based on available CBP water quality and submerged aquatic vegetation (SAV) monitoring data. The independent model evaluation team will also compare the results from a series of nutrient and sediment change scenarios and analyze causes and impacts of differences among the shallow-water models. Applicants may apply for either or both activities, but EPA will fund successful applicants for one activity or the other, not both. <http://www.epa.gov/region3/chesapeake/grants/RFP14-02.pdf>

### **Cooperative Training Partnership in Environmental Health Sciences Research**

**Funding Opportunity Number:** EPA-G2014-ORD-T1

**Application Deadline: January 14, 2014**

**Description:** The mission of the US Environmental Protection Agency (EPA) is to protect human health and the environment. The EPA's Office of Research and Development (ORD) conducts timely mission-relevant solution-oriented research based on the principles of integrity, sustainability, and responsiveness to the needs of the Nation. The research products and outputs are utilized by the EPA to better determine toxicological hazards, define dose-response relationships, and estimate human exposure characteristics in support of the Agency's responsibility to provide risk assessment, policy analysis, regulatory standards for environmental hazards, and contribute to sustainable solutions to the Nation's greatest environmental concerns. EPA's ORD seeks applications to enter into cooperative agreements that will provide training opportunities for undergraduates, graduate students, and postdoctoral fellows on-site at EPA's Research Triangle Park and/or Chapel Hill, North Carolina research facilities. [http://www.epa.gov/ncer/rfa/2014/2014\\_nheerl.html](http://www.epa.gov/ncer/rfa/2014/2014_nheerl.html)

### **FY14 Guidelines for Brownfields Assessment Grants**

**Funding Opportunity Number:** EPA-OSWER-OBLR-13-05

**Application Deadline: January 22, 2014**

**Description:** The Small Business Liability Relief and Brownfields Revitalization Act ("Brownfields Law," P.L. 107-118) requires the U.S. Environmental Protection Agency (EPA) to publish guidance to assist applicants in preparing proposals for grants to assess and clean up brownfield sites. EPA's Brownfields Program provides funds to empower states, communities, tribes, and nonprofits to prevent, inventory, assess, clean up, and reuse brownfield sites. EPA provides brownfields funding for three types of grants: Brownfields Assessment Grants, Brownfields Revolving Loan Fund (RLF) Grants, and Brownfields Cleanup Grants. Under this RFP, EPA is seeking proposals for Assessment Grants, only, to provide funds to inventory, characterize, assess, and conduct planning (including cleanup planning) and community involvement related to brownfield sites. [FY14 Guidelines for Brownfields Assessment Grants](#)

### **FY14 Guidelines for Brownfields Revolving Loan Fund Grants**

**Funding Opportunity Number:** EPA-OSWER-OBLR-13-06

**Application Deadline: January 22, 2014**

**Description:** The Small Business Liability Relief and Brownfields Revitalization Act ("Brownfields Law," P.L. 107-118) requires the U.S. Environmental Protection Agency (EPA) to publish guidance to assist applicants in preparing proposals for grants to assess and clean up brownfield sites. EPA's Brownfields Program provides funds to empower states, communities, tribes, and nonprofits to prevent, inventory, assess, clean up, and reuse brownfield sites. EPA provides brownfields funding for three types of grants: Brownfields Assessment Grants, Brownfields Revolving Loan Fund (RLF) Grants, and Brownfields Cleanup Grants. Under this RFP, EPA is seeking proposals for RLF Grants, only, to provide funds to capitalize a revolving fund and to make loans and provide subgrants to carry out cleanup activities at brownfield sites. <http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-13-06.pdf>

### **Indoor Air and Climate Change**

**Funding Opportunity Number:** EPA-G2014-STAR-A1

**Application Deadline: January 23, 2014**

**Description:** The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research to improve understanding of the effects of climate change on indoor

air quality and the resulting health effects. EPA is interested in supporting research that will explore the anticipated effects of climate change on indoor air quality directly through a variety of mechanisms, and indirectly through adaptations in building use and design. This solicitation provides the opportunity for the submission of applications for projects that may involve human subjects' research. [http://www.epa.gov/ncer/rfa/2014/2014\\_star\\_indoor\\_air.html](http://www.epa.gov/ncer/rfa/2014/2014_star_indoor_air.html)

### **Early Career Projects: Indoor Air and Climate Change**

**Funding Opportunity Number:** EPA-G2014-STAR-A2

**Application Deadline: January 23, 2014**

**Description:** The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research to improve understanding of the effects of climate change on indoor air quality and the resulting health effects. EPA is interested in supporting research that will explore the anticipated effects of climate change on indoor air quality directly through a variety of mechanisms, and indirectly through adaptations in building use and design. This solicitation provides the opportunity for the submission of applications for projects that may involve human subjects' research. [http://www.epa.gov/ncer/rfa/2014/2014\\_star\\_indoor\\_air.html](http://www.epa.gov/ncer/rfa/2014/2014_star_indoor_air.html)

### **Organotypic Culture Models for Predictive Toxicology Center**

**Funding Opportunity Number:** EPA-G2013-STAR-L1

**Application Deadline: January 23, 2014**

**Description:** The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications for research centers to investigate toxic effects of chemical substances in three-dimensional (3D) in vitro models, hereafter referred to as 'organotypic culture models' (OCMs). OCMs are tissue culture models that mimic in vivo tissue architecture through interactions of heterotypic cell types (e.g., epithelium-stroma) and extracellular matrices (ECM). They can be established from isolated cells or from tissue fragments harvested in vivo, and will bridge the gap between conventional monolayer cell cultures and whole-animal systems. EPA is interested in the potential application of OCMs that mimic complex cell arrangements and physiologies, scalable from mid to higher throughput screening (HTS), and high-content screening (HCS) approaches. This solicitation seeks the formation of research centers that will guide the development and evaluation of OCMs that will accelerate translational research in predictive toxicology. [http://www.epa.gov/ncer/rfa/2013/2013\\_star\\_ocm.html](http://www.epa.gov/ncer/rfa/2013/2013_star_ocm.html)

### **Environmental Justice Collaborative Problem-Solving (EJCPS) Cooperative Agreement Program**

**Funding Opportunity Number:** EPA-OECA-OEJ-14-01

**Application Deadline:** February 18, 2014

**Description:** The Environmental Justice Collaborative Problem-Solving (EJCPS) Cooperative Agreement Program provides funding for eligible applicants for projects that address local environmental and/or public health issues within an affected community. The EJCPS Program is designed to help communities understand and address exposure to multiple environmental harms and risks. [Environmental Justice Collaborative Problem-Solving Cooperative Agreement Program](#)

## **Institute of Museum and Library Services**

### **Sparks! Ignition Grants for Libraries**

**Funding Opportunity Number:** SPARKS-LIBRARIES-FY14

**CFDA Number(s):** 45.312

**Deadline for Transmittal of Applications:** February 3, 2014

**Description:** Sparks! Ignition Grants for Libraries (Sparks Grants) are a special funding opportunity within the IMLS National Leadership Grants for Libraries program. These small grants encourage libraries, and archives to prototype and evaluate specific innovations in the ways they operate and the services they provide, resulting in new tools, products, services, or organizational practices. You may propose activities or approaches that involve risk, as long as the project results – be they success, failure, or a combination thereof – offer valuable information to the library field and the potential for improvement in the ways libraries serve their communities. You are required to submit a short white paper, with the results of your work to be publicly posted and shared with the field. For more information, visit [www.grants.gov](http://www.grants.gov) and search by opportunity number or <http://www.ims.gov/applicants/detail.aspx?GrantId=19>

### **National Leadership Grants for Libraries**

**Funding Opportunity Number:** NLG-LIBRARIES-FY14

**CFDA Number(s):** 45.312

**Deadline for Transmittal of Applications:** February 3, 2014

**Description:** The NLG-Libraries program supports projects that address challenges faced by the library and archive fields and that have the potential to advance practice in those fields. Successful proposals will generate results such as new tools, research findings, models, services, practices, or alliances that can be widely used, adapted, scaled, or replicated to extend the benefits of federal investment. While it encourages and will consider applications in all such areas, IMLS is particularly interested in projects that will support: early learning; STEM; learning spaces in libraries; national digital platform; and civic literacy. For more information, visit [www.grants.gov](http://www.grants.gov) and search by opportunity number or <http://www.ims.gov/applicants/detail.aspx?GrantId=14>

## 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>

## National Aeronautics & Space Administration

**Atmospheric Composition Campaign Data Analysis and Modeling****Funding Opportunity Number:** NNH13ZDA001N-ACCDAM:**Application Deadline:** February 14, 2014

**Description:** Research within the Atmospheric Composition Focus Area addresses the following science questions:

- How is atmospheric composition changing?
- What trends in atmospheric composition and solar radiation are driving global climate?
- How does atmospheric composition respond to and affect global environmental change?
- What are the effects of global atmospheric composition and climate changes on regional air quality?
- How will future changes in atmospheric composition affect ozone, climate, and global air quality?

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={D833203F-7942-512D-F3BE-D1A943114CBE}&path=open>

## National Endowment for the Humanities

**Digital Humanities Implementation Grants****Funding Opportunity Number:** 20140219-HK**Application Deadline:** February 19, 2014

**Description:** This program is designed to fund the implementation of innovative digital-humanities projects that have successfully completed a start-up phase and demonstrated their value to the field. Such projects might enhance our understanding of central problems in the humanities, raise new questions in the humanities, or develop new digital applications and approaches for use in the humanities. The program can support innovative digital-humanities projects that address multiple audiences, including scholars, teachers, librarians, and the public. Proposals are welcome for digital initiatives in any area of the humanities. Digital Humanities Implementation Grants may involve research that brings new approaches or documents best practices in the study of the digital humanities; implementation of computationally-based methods or techniques for humanities research; implementation of new digital tools for use in humanities research, public programming, or educational settings; efforts to ensure the completion and long-term sustainability of existing digital resources (typically in conjunction with a library or archive); scholarship that examines the history, criticism, and philosophy of digital culture and its impact on society; scholarship or studies that examine the philosophical or practical implications of the use of emerging technologies in specific fields or disciplines of the humanities, or in interdisciplinary

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collaborations involving several fields or disciplines; or implementation of new digital modes of scholarly communication that facilitate peer review, collaboration, or the dissemination of humanities scholarship for various audiences.

<http://www.neh.gov/grants/odh/digital-humanities-implementation-grants>

## National Institutes of Health

### **Biomarkers for Diabetes Complications - Non-Invasive Measures in the Eye (DP3)**

**Funding Opportunity Number:** [\(RFA-DK-13-027\)](#)

**Application Receipt Date(s):** April 7, 2014

**Description:** This FOA will support research on the development of biomarkers for the complications of type 1 diabetes that will use minimally or non-invasive measures of blood vessels and nerves in the eye. A critical obstacle for preventing and treating diabetes complications is the paucity of both biomarkers that can detect changes in blood vessels and nerves before clinical signs develop and surrogate end-points that can measure early responses to an intervention. Given the accessibility of the blood vessels and nerves in the eye for visualization, this FOA invites applications for research using the eye to visualize the development of diabetes complications in the eye and other tissues, such as the kidney, brain, heart and peripheral nerves. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-027.html>

### **Female Contraceptive Development Program (U01)**

**Funding Opportunity Number:** [\(RFA-HD-14-024\)](#)

**Application Receipt Date(s):** March 31, 2014

**Description:** This Funding Opportunity Announcement (FOA) invites applications for the development of novel female contraceptives that are specifically targeted to the processes of follicular development, ovulation or fertilization. This program aims to support a wide range of research, both basic and applied, with the goal of developing clinically useful female contraceptive products. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-14-024.html>

### **Low-Cost, Pragmatic, Patient-Centered Randomized Controlled Intervention Trials (UH2/UH3)**

**Funding Opportunity Number:** [\(RFA-HL-14-019\)](#)

**Application Receipt Date(s):** **January 23, 2014**

**Description:** This NIH Funding Opportunity Announcement (FOA) invites applications to plan and conduct low-cost, pragmatic randomized controlled trials (RCTs). Pragmatic RCTs seek to determine the effectiveness of an intervention in a real world setting. Trials proposed under this FOA should answer questions that are high impact to patients or health care providers, and must leverage existing clinical practice settings and/or existing electronic resources such as registries for the conduct of clinical trials. Trials must include features such as randomization at the point of patient care; data collection integrated into or obtained from routine clinical records or similar existing electronic resources; minimal eligibility criteria, and interventions delivered as part of routine clinical care. Funds from the NIH will be made available through the UH2/UH3 cooperative agreement award mechanism. The initial one-year UH2 phase will support the refinement of electronic and other existing resources, further development of study partnerships, and finalization of the trial protocol and manual. UH3 awards will be made after administrative review of UH2 awards that have met agreed upon milestones. The four-year UH3 phase will support the conduct of the planned clinical trial.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-019.html>

### **Evaluation and Administration Coordinating Center for the Low-Cost, Pragmatic, Patient-Centered Randomized Controlled Intervention Trials (R01)**

**Funding Opportunity Number:** [\(RFA-HL-14-020\)](#)

**Application Receipt Date(s):** **January 23, 2014**

**Description:** This NIH Funding Opportunity Announcement (FOA) invites applications to support an Evaluation and Administration Coordinating Center. This unit will facilitate the coordination among and between the awardees of RFA-HL-14-019 "Low-Cost, Pragmatic, Patient-Centered Randomized Controlled Intervention Trials (UH2/UH3)" and the NIH. This unit will also be responsible for conducting an evaluation of the RFA-HL-14-019 program.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-020.html>

### **Exceptional Unconventional Research Enabling Knowledge Acceleration (EUREKA) for Neuroscience and Disorders of the Nervous System (R01)**

**Funding Opportunity Number:** [\(RFA-MH-14-214\)](#)

**Application Receipt Date(s):** February 3, 2014



**Description:** This Funding Opportunity Announcement (FOA) seeks Research Project Grant (R01) applications addressing exceptionally novel hypotheses and/or remarkably difficult problems in neuroscience and disorders of the nervous system. This announcement is for support of new rather than ongoing projects, and is not intended for pilot research. The proposed research may have a high risk of failure, but it must promise results with especially high impact should it be successful. The research should be groundbreaking, innovative, original and/or unconventional, with the potential to solve important problems or open new areas for investigation. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-14-214.html>

#### **Replication of Key Clinical Trials Initiative (U01)**

**Funding Opportunity Number:** [\(PAR-13-383\)](#)

**Application Receipt/Submission Date(s):** **January 14, 2014**, January 14, 2015, January 14, 2016

**Description:** In response to the significant need to replicate influential behavioral and pharmacological clinical trials of therapeutic approaches to the treatment of Alcohol Use Disorders and alcoholic liver disease, this Funding Opportunity Announcement (FOA) invites applications for a limited number of Cooperative Agreements (U01) for the purpose of conducting replication studies of key single-site “proof of concept” clinical trials of a behavioral or pharmacologic nature. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-383.html>

#### **NINDS Research Education Programs for Residents and Fellows in Neurology, Neurosurgery, Neuropathology, Neuroradiology and Emergency Medicine (R25)**

**Funding Opportunity Number:** [\(PAR-13-384\)](#)

**Application Receipt/Submission Date(s):** **January 25, 2014**; May 25, 2014; January 25, 2016

**Description:** This FOA invites Research Education Grant (R25) applications from institutions/organizations to support the development and/or implementation of programs that relate to research education and preparation of clinical residents and fellows that will foster careers as physician-scientists. The PD/PI must have a staff appointment in a Department of Neurology, Neurosurgery or Pathology. Participants in the research education program must be residents or fellows, typically in neurology, neurosurgery, neuropathology, neuroradiology, anesthesiology or emergency medicine, who will conduct research within the mission of NINDS. The NIH recognizes a unique and compelling need to promote diversity in the biomedical, behavioral, clinical and social sciences research workforce. Accordingly, the NIH continues to encourage institutions to diversify their faculty populations and thus to increase the participation of individuals currently underrepresented in the biomedical, clinical, behavioral, and social sciences such as individuals from underrepresented racial and ethnic groups, and individuals with disabilities. PDs/PIs are encouraged to consider participants from diverse backgrounds for this funding opportunity. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-384.html>

#### **Developmental Origins of Health and Disease (DOHaD): Epigenetic Modification in Gametogenesis and Transgenerational Inheritance (R01)**

**Funding Opportunity Number:** [\(PAR-13-385\)](#)

**Application Receipt/Submission Date(s):** **January 30, 2014**, January 30, 2015

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications from the scientific community to support the development of comprehensive reference epigenomes for male and female gametes, and pre-implantation embryos after exposure to a particular environmental factor/insult. What is envisioned is the establishment of a compendium/atlas annotating epigenetic changes during various stages of spermatogenesis, oogenesis, and pre-implantation embryo development, the identification of the affected genes, and the characterization of any resulting phenotype in the offspring. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-385.html>

#### **Cancer Center Support Grants (CCSGs) for NCI-designated Cancer Centers (P30)**

**Funding Opportunity Number:** [\(PAR-13-386\)](#)

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

**Description:** This Funding Opportunity Announcement (FOA) invites applications for P30 Cancer Center Support Grants (CCSGs) for NCI-designated Cancer Centers. CCSGs support two types of cancer centers: 1) Comprehensive Cancer Centers, which demonstrate reasonable depth and breadth of research activities in each of three major areas: basic laboratory; clinical; and prevention, control and population-based research, and which have substantial transdisciplinary research that bridges these scientific areas; and 2) Cancer Centers, which are primarily focused on basic laboratory; clinical; and prevention, cancer control, and population-based research; or some combination of these areas. The purpose of both types of NCI-designated Cancer Centers is to capitalize on all institutional cancer research capabilities, integrating meritorious programs in laboratory, clinical, and population research into a single transdisciplinary research enterprise

across all institutional boundaries. Cancer Centers supported through this FOA are expected: to serve as major sources of discovery of the nature of cancer and of development of more effective approaches to prevention, diagnosis, and therapy; to contribute significantly to the development of shared resources that support research; to collaborate and coordinate their research efforts with other NCI-funded programs and investigators; and to disseminate research findings for the benefit of the community. <http://grants.nih.gov/grants/guide/pa-files/PA-13-386.html>

### **Discovery of Molecular Targets for Pregnancy-Related/Induced Diseases and Development of Therapeutics to Prevent/Treat These Diseases (R01)**

**Funding Opportunity Number:** [\(PAR-13-389\)](#)

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

**Description:** The purpose of this funding opportunity announcement (FOA) is to encourage grant applications that will identify molecular targets for pregnancy associated/induced disorders and will lead to the development of new safer and more effective medications for use in pregnancy. <http://grants.nih.gov/grants/guide/pa-files/PA-13-389.html>

### **Validation and Demonstration of Devices for Environmental Exposure Assessment (R21/R33)**

**Funding Opportunity Number:** [\(RFA-ES-13-013\)](#)

**Application Receipt Date(s):** February 4, 2014

**Description:** This funding opportunity announcement (FOA) is intended to facilitate the translation of prototype devices for characterization of personal exposures into field use by supporting a phased validation effort involving a partnership between tool developers and environmental epidemiologists. In the initial (R21) phase, the focus is on iterative refinement of the prototype based on evaluation in a pilot scale study. The goal of this phase is to demonstrate data quality, tool reliability, and usability in a real world and relevant setting. The second (R33) phase will involve larger scale application in a larger epidemiological study to demonstrate the added scientific value of the tool in terms of both improved exposure assessment and estimation of exposure-health outcome relationships. Funding for the second phase requires an evaluation of the successful attainment of quantitative milestones and Go/No-Go decision points established in the application and through negotiation. <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-13-013.html>

### **Exploratory and Developmental Grant to Improve Health Care Quality through Health Information Technology (IT) (R21)**

**Funding Opportunity Number:** [\(PA-14-001\)](#)

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to fund exploratory and developmental research grants that will contribute to the evidence base of how health IT improves health care quality. This FOA supports the use of a wide variety of research designs in order to generate information regarding the design and development, implementation, use, or impact of health IT on quality. Depending on the research design and intent of the project, applicants may receive support for: (1) pilot and feasibility or self-contained health IT research projects; (2) secondary data analysis of health IT research; or (3) economic (prospective or retrospective) analyses of a health IT project. Each grant application must clearly state which type of the three types of studies is being proposed. This FOA is focused on five research areas of interest that are needed to support health care quality and are considered part of a continuous quality improvement process. The five research areas of interest for this FOA are:

1. Design
2. Implementation
3. Use
4. Impact on outcomes
5. Measurement

Each application must clearly state at least one primary research area to be addressed. These five research areas are more fully discussed in Section I of the site below. <http://grants.nih.gov/grants/guide/pa-files/PA-14-001.html>

### **Advancing Patient Safety Implementation through Safe Medication Use Research (R18)**

**Funding Opportunity Number:** [\(PA-14-002\)](#)

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

**Description:** AHRQ's Patient Safety (PS) Portfolio is addressing patient safety and medication research by focusing on the safe usage of medications. This perspective centers on how medications move through the health care system and how this systemic process can be improved so that patients are not harmed, while health care delivery is improved. The PS Portfolio encourages the involvement of all members of the health care team, especially patients, and families; nurses,

pharmacists, technicians (pharmacy and medication administration technicians), health care administrators, risk managers, and physicians) across all settings of care (including in the home) as well as the home). This FOA will fund investigative research demonstration projects that examine the effective implementation of processes, policies, and behaviors that support safe use of medication as well as its sustainment and dissemination. <http://grants.nih.gov/grants/guide/pa-files/PA-14-002.html>

### **Collaborative Activities to Promote Metabolomics Research (Admin Supp)**

**Funding Opportunity Number:** [\(PA-14-003\)](#)

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

**Description:** This administrative supplement funding opportunity is part of the Common Fund Metabolomics Program created to increase and improve the nation's ability to undertake metabolomics analyses in translational and clinical research. Metabolomics has great potential to advance our understanding of human diseases, but requires specialized expertise in metabolomics study design, technology, and data analysis and interpretation. This FOA supports supplemental funds to current NIH-funded research projects for new interactive collaborations between basic or clinical researchers and metabolomics experts to add biomedical studies requiring a metabolomics approach. In addition to enhancing the parent grant by adding metabolomics analyses, collaborative projects must include activities to increase the expertise of the biomedical research group in key aspects of metabolomics study design, analysis, and data interpretation. All applicants are strongly encouraged to discuss potential requests with the awarding IC and with the Common Fund Metabolomics Scientific/Research contact listed below. Additionally, prior to submission, applicants must review the awarding IC's web site to ensure they meet the IC's requirements. <http://grants.nih.gov/grants/guide/pa-files/PA-14-003.html>

### **Indo-US Collaborative Program on Affordable Medical Devices (R03)**

**Funding Opportunity Number:** [\(PAR-13-390\)](#)

**Application Receipt/Submission Date(s):** **January 23, 2014**, January 23, 2015, January 22, 2016; AIDS Date: May 7, 2014, May 7, 2015, May 7, 2016

**Description:** The goal of this funding opportunity announcement is to (i) foster joint activities between US and Indian scientists on affordable diagnostic and therapeutic technologies, and (ii) address medical needs in low-resource settings, taking advantage of opportunities and technological advances, to aid the development of appropriate affordable medical devices. To address needs and opportunities, Indian and U.S. scientists will undertake a coordinated program that will involve collaborative, peer-reviewed research and technology development projects. Collaboration between engineers and scientists in the U.S. and India will be based on mutual benefit, trust, and a shared commitment to development of diagnostic or therapeutic technologies for people in low-resource settings. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-390.html>

### **New Computational Methods for Understanding the Functional Role of DNA Variants that are Associated with Mental Disorders (Collaborative R01)**

**Funding Opportunity Number:** [\(PAR-13-391\)](#)

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to support the development of advanced computational, bioinformatic and statistical tools to determine the functional relevance of genetic variants associated with mental disorders of complex etiologies identified through genome-wide association or sequencing studies. The overarching goal of this initiative is to support the development of innovative computational methods that facilitate the elucidation of the functionality of genetic variants associated with mental illness, taking into account the added complexities and nuances of brain diseases, and to ultimately inform the identification and validation of potential targets for novel treatment development. This FOA should be used when two or more sites are needed to complete the study. For a linked set of collaborative R01s, each site must have its own Program Director/Principal Investigator and the set of linked applications provide a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-391.html>

### **New Computational Methods for Understanding the Functional Role of DNA Variants that are Associated with Mental Disorders (R01)**

**Funding Opportunity Number:** [\(PAR-13-392\)](#)

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to support the development of advanced

computational, bioinformatic and statistical tools to determine the functional relevance of genetic variants associated with mental disorders of complex etiologies identified through genome-wide association or sequencing studies. The overarching goal of this initiative is to support the development of innovative computational methods that facilitate the elucidation of the functionality of genetic variants associated with mental illness, taking into account the added complexities and nuances of brain diseases, and to ultimately inform the identification and validation of potential targets for novel treatment development. <http://grants.nih.gov/grants/guide/pa-files/PA-13-392.html>

#### **George M. O'Brien Urology Cooperative Research Centers Program (U54)**

**Funding Opportunity Number:** [\(RFA-DK-13-020\)](#)

**Application Receipt Date(s):** March 18, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to seek applications for the George M. O'Brien Urology Cooperative Research Centers Program. This program will provide a coordinated platform for multidisciplinary interactions between basic and clinical scientists with the overall goal of understanding the etiology and development of benign urologic diseases and disorders, and providing a collaborative venue to design better treatments, diagnostics, and prevention strategies for these disease conditions within the NIDDK mission interests. This program will also serve as a national resource for career development of junior scientists electing to pursue research in benign urology. Accordingly, applications are sought from individuals willing to cooperate with the NIDDK under a cooperative centers program. It is expected that funded programs will work with the NIDDK in facilitating research collaborations and interactions within and among centers and with the larger research community to accomplish the overall goal of improving treatment of urologic disorders through enhanced communication and research excellence.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-020.html>

#### **Superfund Hazardous Substance Research and Training Program (P42)**

**Funding Opportunity Number:** [\(RFA-ES-14-001\)](#)

**Application Receipt Date(s):** April 10, 2014

**Description:** The National Institute of Environmental Health Sciences (NIEHS) is announcing the continuation of the Superfund Hazardous Substance Research and Training Program, referred to as Superfund Research Program (SRP) Centers. SRP Center grants will support problem-based, solution-oriented research Centers that consist of multiple, integrated projects representing both the biomedical and environmental science and engineering disciplines; as well as cores tasked with administrative, community engagement, research translation, training, and research support functions. The scope of the SRP Centers is taken directly from the Superfund Amendments and Reauthorization Act of 1986, and includes: (1) advanced techniques for the detection, assessment, and evaluation of the effect on human health of hazardous substances; (2) methods to assess the risks to human health presented by hazardous substances; (3) methods and technologies to detect hazardous substances in the environment; and (4) basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-14-001.html>

#### **Centers for Collaborative Research in Fragile X (U54)**

**Funding Opportunity Number:** [\(RFA-HD-14-033\)](#)

**Application Receipt Date(s):** **January 21, 2014**

**Description:** This funding opportunity announcement (FOA) invites applications for the Centers for Collaborative Research in Fragile X. Successful Centers will be composed of >transdisciplinary teams of investigators working together to address focused and challenging scientific questions within targeted areas of research. The targeted areas of research are intended to address research gaps, drive discovery and further develop research relevant to Fragile X syndrome and Fragile X Gene (FMR1)- Related Conditions. Targeted areas of research include:

1. Advancing the understanding of the pathophysiology of FMR1 Related Conditions
2. Facilitating the Development of Treatments for FMR1 Related Conditions
3. Advancing the knowledge of clinical phenotypes for FMR1 Related Conditions

Each Center will consist of 1) at least three distinct but highly integrated scientific projects, 2) an administrative core and 3) no more than two shared resource cores. This FOA will not support Phase II/III clinical trials proposing to test efficacy or effectiveness of treatment/interventions using pharmacological or behavioral/psychosocial components in human subjects (patient or non-patient populations). <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-14-033.html>

**Patient Safety Learning Laboratories: Innovative Design and Development to Improve Healthcare Delivery Systems (P30)****Funding Opportunity Number:** [\(RFA-HS-14-005\)](#)**Application Receipt Date(s):** February 7, 2014

**Description:** The Agency for Healthcare Research and Quality (AHRQ) funds research leading to patient safety improvements in all settings and systems of care delivery. While many researchers have endorsed a systems model as a way of thinking about entrenched patient safety problems, there has been a scarcity of programmatic activity that actually engages in new design and systems engineering effort, and that is focused on more than singular patient safety concerns. This P30 FOA calls for the creation and utilization of Patient Safety Learning Laboratories. These learning laboratories are places and professional networks where interrelated threats to patient safety can be identified, where multidisciplinary teams generate new ways of thinking with respect to the threats, and where environments are established conducive to brainstorming and rapid prototyping techniques that stimulate further thinking. Learning laboratories further enable multiple develop-test-revise iterations of promising design features and subsystems of the sort that can be found in larger-scale engineering projects. Once the separate projects or systems are developed, integrated, and implemented as an overall working system, the ultimate function of the learning laboratory is to evaluate the system in a realistic simulated or clinical setting with its full complement of facility design, equipment, people (patients, family members, and providers), new procedures and workflow, and organizational contextual features, as appropriate. Under this FOA, applicants will select two to four interrelated patient safety areas as projects for which new and innovative design approaches are needed. While applicants will select the areas of patient safety focus they consider of high significance, a flexible methodology – problem analysis, design, development, implementation, and evaluation – is provided that parallels the system development process to give an underlying structure to the four-year level of effort.

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

**Advances in Patient Safety through Simulation Research (R18)****Funding Opportunity Number:** [\(PA-14-004\)](#)**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

**Description:** The Agency for Healthcare Research and Quality (AHRQ) is interested in funding a diverse set of projects that develop, test and evaluate various simulation approaches for the purpose of improving the safe delivery of health care. Simulation in health care serves multiple purposes. As a training technique, it exposes individuals and teams to realistic clinical challenges through the use of mannequins, task trainers, virtual reality, standardized patients or other forms, and allows participants to experience in real-time the consequences of their decisions and actions. The principal advantage of simulation is that it provides a safe environment for health care practitioners to acquire valuable experience without putting patients at risk. Simulation also can be used as a test-bed to improve clinical processes and to identify failure modes or other areas of concern in new procedures and technologies that might otherwise be unanticipated and serve as threats to patient safety. Yet another application of simulation focuses on the establishment of valid and reliable measures of clinical performance competency and their potential use for credentialing and certification purposes. Applications that address a variety of simulation techniques, clinical settings, provider groups, priority populations, patient conditions, and threats to safety are welcomed. <http://grants.nih.gov/grants/guide/pa-files/PA-14-004.html>

**Animal and Biological Material Resource Centers (P40)****Funding Opportunity Number:** [\(PAR-14-005\)](#)**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

**Description:** This FOA encourages grant applications for national Animal Model, and Animal and Biological Material Resource Centers. These Centers provide support for special colonies of laboratory animals, as well as other resources such as reagents, cultures (cells, tissues, and organs) and genetic stocks that serve the biomedical research community. The resource centers for Animal and Biological Materials collect, maintain, characterize, and distribute defined strains of animals and/or related biological materials to biomedical investigators in a variety of research areas on a local, regional, national and international basis. This funding opportunity is designed to both support continuation of existing resources, and to develop new ones when appropriate. Prior to preparing an application, all applicants are strongly encouraged to consult with Program staff to be advised on appropriateness of the intended resource plans for this program, competitiveness of a potential application and ORIP's program priorities. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-005.html>

**Seeding Collaborations for Translational Research to Discover and Develop New Therapies for Diseases and Conditions within NIDDK's Mission (Revisions) (R01)****Funding Opportunity Number:** [\(PAR-14-006\)](#)**Application Receipt/Submission Date(s):** Multiple dates, see announcement.**Description:** The purpose of this funding opportunity announcement (FOA) is to seed collaborations that enable translational research for the discovery and development of therapies for diseases and conditions of interest to NIDDK. The FOA encourages collaborations through revisions to active NIDDK R01 research project grants. The revision allows the Program Director/Principal Investigator (PD/PI) to propose an expansion of the specific aims to develop collaborations and approaches that facilitate translational research on target identification, early-stage pharmacological validation of targets and pre-therapeutic leads, lead optimization, and limited pre-clinical development. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-006.html>**NCI Small Grants Program for Cancer Research (NCI Omnibus R03)****Funding Opportunity Number:** [\(PAR-14-007\)](#)**Application Receipt/Submission Date(s):** February 28, 2014; June 27, 2014; October 28, 2014; February 27, 2015; June 29, 2015; October 28, 2015; February 26, 2016; June 29, 2016; October 28, 2016; AIDS Date: May 5, 2014; September 5, 2014; January 5, 2015; May 5, 2015; September 4, 2015; January 5, 2016; May 5, 2016; September 4, 2016; January 5, 2017**Description:** This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), of the National Institutes of Health (NIH) supports small research projects on cancer that can be carried out in a short period of time with limited resources. The R03 grant mechanism 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/PAR-14-007.html>**Secondary Data Analyses to Explore NIMH Research Domain Criteria (R03)****Funding Opportunity Number:** [\(PAR-14-008\)](#)**Application Receipt/Submission Date(s):** Multiple dates, see announcement.**Description:** NIMH seeks applications which propose secondary analyses of existing clinical research datasets to investigate constructs identified in the NIMH's Research Domain Criteria (RDoC) initiative and to test novel hypotheses using the RDoC framework. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-008.html>**NIDCD Research Grants for Translating Basic Research into Clinical Tools (R01)****Funding Opportunity Number:** [\(PAR-14-009\)](#)**Application Receipt/Submission Date(s):** June 23, 2014, February 23, 2015, October 23, 2015, June 23, 2016, February 23, 2017**Description:** The NIDCD is encouraging applications which translate basic research findings into clinical tools for better human health in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. The intent of this Funding Opportunity Announcement (FOA) is to provide a new avenue for basic scientists, clinicians and clinical scientists to jointly initiate and conduct translational research projects. The scope of this FOA includes a range of activities to encourage translation of basic research findings which will impact the diagnosis, treatment and prevention of communication disorders. Multi-institutional, multi-disciplinary, and academic-industrial collaborations studies are encouraged. This FOA is not intended for health services/outcome studies, the extension of ongoing clinical research studies, the optimization of current clinical protocols, or pre-translational studies. Connection to the clinical condition must be clearly established and the outcomes of the grant must have practical clinical impact. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-009.html>**Identification of Gene Variants for Addiction Related Traits by Next-Gen Sequencing in Model Organisms Selectively Bred for Addiction Traits (UH2/UH3)****Funding Opportunity Number:** [\(PAR-14-010\)](#)**Application Receipt/Submission Date(s):** **January 31, 2014**; June 30, 2014; October 31, 2014; June 30, 2015; October 31, 2015; June 30, 2016**Description:** The goals of this initiative are to: 1) develop strategies and methodologies for the sequencing, mapping and genomic analyzing of established phenotypes of selectively bred animal models with addiction traits, and 2) identify, from new or existing selectively bred animal models, genetic variants with implications for addiction related traits. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-010.html>

**Center for Advancing Natural Products Innovation and Technology (U41)****Funding Opportunity Number:** RFA-AT-14-006**Application Receipt Date(s):** June 27, 2014

**Description:** This Funding Opportunity Announcement (FOA) is soliciting applications to establish a national Center for Advancing Natural Product Innovation and Technology (CANPIT). The goal of this initiative is to improve upon and strengthen technologies and methods used in natural products research. The CANPIT, supported through the U41 cooperative agreement funding mechanism, is expected to overcome existing research limitations by developing and/or adapting cutting edge, innovative approaches and technologies that will have significant impact on the chemical and biological investigation of natural products. Importantly, the CANPIT is expected to serve a leadership role; coordinating intellectual scientific discourse and disseminating assembled methodology and best practices to the natural product research community. This FOA is being released in conjunction with the ODS Botanical Dietary Supplement Research Centers Program (see companion FOA, RFA-OD-14-001). Applicants applying under this CANPIT FOA are encouraged to collaborate with the Botanical Dietary Supplement Research Centers, and other NCCAM, ODS, and NIH supported grantees through CANPIT Technology Demonstration Projects (TDPs). <http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-14-006.html>

**BD2K-LINCS-Perturbation Data Coordination and Integration Center (DCIC) (U54)****Funding Opportunity Number:** RFA-HG-14-001**Application Receipt Date(s):** March 19, 2014

**Description:** This FOA seeks applications to develop a data coordination and integration center (DCIC) that will address the opportunities and challenges provided by two major NIH efforts: Big Data to Knowledge (BD2K) and the Library of Integrated Network-Based Cellular Signatures (LINCS). The NIH expects that this BD2K-LINCS DCIC will focus on perturbation-response data and signatures while ensuring that the resulting resources are effectively utilized by the community by addressing challenges related to biomedical Big Data. A successful DCIC will ensure consistent annotation of data and tools generated within the LINCS program; incorporate (without replicating databases) relevant non-LINCS perturbation data into the LINCS resource; support integration of relevant data, signatures, and tools to allow for seamless exploration of the (LINCS) program's output by a broad range of biomedical researchers; support linkages to outside knowledge bases, data portals, and resources; support training in perturbation-data science skills; build innovative access and query tools to disparate databases hosting multiple data types; and disseminate the resulting tools and resources to the broad range of biomedical researchers. Related FOAs of relevance to the DCIC include RFA-RM-13-013 soliciting applications for LINCS data and signature generation and RFA-HG-13-009 soliciting applications for BD2K Centers of Excellence. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-14-001.html>

**The Palliative Care Research Cooperative (PCRC): Enhancing Sustainability and Building the Science of Palliative Care (R01)****Funding Opportunity Number:** RFA-NR-14-003**Application Receipt Date(s):** February 06, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to enhance the research and resource activities of the Palliative Care Research Cooperative (PCRC) by funding high quality, cutting edge palliative care and end-of-life (PCEOL) research. The proposed studies must be designed to use the PCRC infrastructure and resources to accomplish their aims. Investigators from PCRC sites, and also those outside the network or collaborations across the two, will propose PCEOL studies that use the PCRC for methodological resources, access to any or all of the PCRC patient populations at multiple institutional sites, and PCEOL expertise of PCRC investigators unique to the network. The FOA will also assess the PCRC's impact, enhanced efficiency, statistical power, ability to complete studies within timelines, and lower costs. As a result of this FOA, it is expected that collaborative, interdisciplinary research will be funded that demonstrates the value of the PCRC and will ultimately lead to long-term sustainability.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-14-003.html>

**Botanical Dietary Supplement Research Centers (P50)****Funding Opportunity Number:** RFA-OD-14-001**Application Receipt Date(s):** June 06, 2014

**Description:** This Funding Opportunity Announcement (FOA) invites applications to support research centers to develop and apply cutting-edge, transdisciplinary approaches to the study of botanicals with relevance to human health, that are found as ingredients in dietary supplements. These centers are expected to synergistically integrate a range of relevant disciplines (e.g., phytochemistry, botany, and expertise utilizing models ranging from in silico through in vitro to in vivo)

to conduct innovative research to elucidate the interactions between complex botanical products and human biology. The long-term goal of this program is to support development of the preclinical data required for optimal design of rigorous, definitive clinical research on complex botanical products. Given the extensive resources required for clinical research it is critical that clinical trials of botanicals be supported by solid and extensive relevant preclinical data, especially with respect to mechanisms of action, optimal formulations and dosing, for example. Therefore the focus of these Centers will be on basic and preclinical research. The focus of this FOA is on research on the mechanisms of action of botanicals traditionally used for health maintenance, or on botanicals with strong evidence of promise for improving objective, quantitative measures of organism resilience. Use of relevant vertebrate and invertebrate models is strongly encouraged. A strictly limited number of human subjects research aims, designed to interrogate, e.g., in vivo mechanism(s) of action, safety, pharmacokinetics, or bases of individual differences in metabolism or response, may be included.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-14-001.html>

### **Functional Genetics, Epigenetics, and Non-coding RNAs in Substance Abuse (R21)**

**Funding Opportunity Number:** PA-14-013

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

**Description:** Genetic and genomic studies have identified genes and gene variants that potentially modulate the fundamental biological mechanisms underpinning addictive processes. Discovery of these genes/variants, while extremely valuable, is only a first step in understanding molecular mechanisms of addiction. This Funding Opportunity Announcement encourages basic functional genetic and genomic research in two areas: 1. functional validation to determine which candidate genes/variants/epigenetic/non-coding RNA features have an authentic role in addictive processes, and 2. detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction. <http://grants.nih.gov/grants/guide/pa-files/PA-14-013.html>

### **Functional Genetics, Epigenetics, and Non-coding RNAs in Substance Abuse (R01)**

**Funding Opportunity Number:** PA-14-014

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

**Description:** Genetic and genomic studies have identified genes and gene variants that potentially modulate the fundamental biological mechanisms underpinning addictive processes. Discovery of these genes/variants, while extremely valuable, is only a first step in understanding molecular mechanisms of addiction. This Funding Opportunity Announcement encourages basic functional genetic and genomic research in two areas: 1. functional validation to determine which candidate genes/variants/epigenetic/non-coding RNA features have an authentic role in addictive processes, and 2. detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction. <http://grants.nih.gov/grants/guide/pa-files/PA-14-014.html>

### **Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)**

**Funding Opportunity Number:** PA-14-015

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

**Description:** The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nation's biomedical, behavioral, and clinical research agenda. Research training programs will incorporate didactic, research, and career development components to prepare individuals for careers that will have a significant impact on the health-related research needs of the Nation. Programs proposing only short-term research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (T35) exclusively reserved for predoctoral, short-term research training (see PA-14-016). <http://grants.nih.gov/grants/guide/pa-files/PA-14-015.html>

### **Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grant (Parent T35)**

**Funding Opportunity Number:** PA-14-016

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

**Description:** The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award



(NRSA) Short-Term Institutional Research Training Grants (T35) to eligible, domestic institutions to develop and/or enhance research training opportunities for predoctoral students interested in careers in biomedical, behavioral or clinical research. Many NIH Institutes and Centers (ICs) use this NRSA program exclusively to support intensive, short-term research training experiences for health professional students (medical students, dental students, and/or students in other health-professional programs) during the summer. This program is also intended to encourage training of graduate students in the physical or quantitative sciences to pursue research careers by short-term exposure to, and involvement in, the health-related sciences. The training should be of sufficient depth to enable the trainees, upon completion of the program, to have a thorough exposure to the principles underlying the conduct of biomedical research.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-016.html>

### **Genomic Underpinnings of Response to Rehabilitation Interventions (R01)**

**Funding Opportunity Number:** PAR-14-011

**Application Receipt/Submission Date(s):** February 20, 2014 and June 23, 2014

**Description:** This Funding Opportunity Announcement (FOA) seeks research to enhance the understanding of the role of genomic variants and mechanisms in the response to rehabilitation interventions aimed at maintaining, improving, or restoring functional abilities (e.g., activities of daily living) and quality of life in individuals with functional impairments or disabilities resulting from injury, aging, or chronic illness. This research may be carried out by 1) elucidating genomic variants or mechanisms associated with outcomes in individuals receiving rehabilitation interventions, or 2) developing and testing genomics-based rehabilitation interventions, including interventions that promote symptom or self-management as part of a strategy to achieve improved functional abilities. Interdisciplinary collaborations that include nurse scientists in the project team are strongly encouraged. Additionally, applicants should consider engaging the resources and expertise of nearby or otherwise available Clinical and Translational Science Award grant sites (CTSAs) and/or federally funded research centers where possible.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-011.html>

### **Support of Competitive Research (SCORE) Pilot Project Award (SC2)**

**Funding Opportunity Number:** PAR-14-017

**Application Receipt/Submission Date(s):** **January 25, 2014**, May 25, 2014, January 25, 2015, May 25, 2015, January 25, 2016, May 25, 2016; **AIDS Date:** May 7, 2014, September 7, 2014, May 7, 2015, September 7, 2015, May 7, 2016, September 7, 2016

**Description:** The SCORE Program is a developmental program designed to increase the research competitiveness of faculty and research base of institutions with a historical mission and/or demonstrated track record of training and graduating students from backgrounds underrepresented in biomedical research. In addition, eligible institutions must award science degrees to undergraduate (B.S. or B.A.) and/or graduate students (M.S. or Ph.D.) and have received on average less than 6 million dollars per year of NIH R01 support (total cost) in the last 2 fiscal years.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-017.html>

### **Support of Competitive Research (SCORE) Research Continuance Award (SC3)**

**Funding Opportunity Number:** PAR-14-018

**Application Receipt/Submission Date(s):** **January 25, 2014**, May 25, 2014, January 25, 2015, May 25, 2015, January 25, 2016, May 25, 2016; **AIDS Date:** May 7, 2014, September 7, 2014, May 7, 2015, September 7, 2015, May 7, 2016, September 7, 2016

**Description:** The SCORE Program is a developmental program designed to increase the research competitiveness of faculty and research base of institutions with a historical mission and/or demonstrated track record of training and graduating students from backgrounds underrepresented in biomedical research. In addition, eligible institutions must award science degrees to undergraduate (B.S. or B.A.) and/or graduate students (M.S. or Ph.D.) and have received on average less than 6 million dollars per year of NIH R01 support (total cost) in the last 2 fiscal years.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-018.html>

### **Support of Competitive Research (SCORE) Research Advancement Award (SC1)**

**Funding Opportunity Number:** PAR-14-019

**Application Receipt/Submission Date(s):** **January 25, 2014**, May 25, 2014, January 25, 2015, May 25, 2015, January 25, 2016, May 25, 2016; **AIDS Date:** May 7, 2014, September 7, 2014, May 7, 2015, September 7, 2015, May 7, 2016, September 7, 2016.

**Description:** The SCORE Program is a developmental program designed to increase the research competitiveness of

faculty and research base of institutions with a historical mission or demonstrated commitment to training students from backgrounds underrepresented in biomedical research. In addition, eligible institutions must award science degrees to undergraduate (B.S. or B.A.) and/or graduate students (M.S. or Ph.D.) and have received on average less than 6 million dollars (total cost) per year of NIH R01 support in the last 2 fiscal years.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-019.html>

### **Public Health Impact of the Changing Policy/Legal Environment for Marijuana (R01)**

**Funding Opportunity Number:** PAS-14-020

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

**Description:** This initiative encourages research on the impact of changing marijuana policies and laws on public health outcomes, including marijuana exposure among children, adolescents, and adults; other licit and illicit drug use; education and professional achievement; social development; risky behaviors (e.g., drugged driving); mental health; HIV, etc.

<http://grants.nih.gov/grants/guide/pa-files/PAS-14-020.html>

### **Resources to Assist Investigations in Primary Immunodeficiency Diseases (U24)**

**Funding Opportunity Number:** RFA-AI-13-054

**Application Receipt Date(s):** April 17, 2014

**Description:** The purpose of this funding opportunity announcement (FOA) is to provide resources in support of advancing research on primary immunodeficiency diseases. These resources are currently (1) a registry of individuals with primary immunodeficiency disease; (2) a repository of cells and other materials to aid primary immunodeficiency disease research; and (3) educational opportunities to provide training, disseminate information, and encourage collaborative research on primary immunodeficiency disease. Applicants must propose plans to maintain and improve these resources. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-13-054.html>

### **U.S.-South Africa Program for Collaborative Biomedical Research (R01)**

**Funding Opportunity Number:** RFA-AI-14-009

**Application Receipt Date(s):** April 22, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to establish a new U.S.-South Africa Program for Collaborative Biomedical Research. Research areas supported under this program include TB, HIV/AIDS biomedical and behavioral science, and HIV-related co-morbidities, including malignancies.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-009.html>

### **U.S.-South Africa Program for Collaborative Biomedical Research (R21)**

**Funding Opportunity Number:** RFA-AI-14-010

**Application Receipt Date(s):** April 22, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to establish a new U.S.-South Africa Program for Collaborative Biomedical Research. Research areas supported under this program include TB, HIV/AIDS biomedical and behavioral science, and HIV-related co-morbidities, including malignancies.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-010.html>

### **Modeling the Scientific Workforce (U01)**

**Funding Opportunity Number:** RFA-GM-14-011

**Application Receipt Date(s):** February 4, 2014

**Description:** This FOA solicits cooperative agreement applications that propose to develop computational models for better understanding of the dynamics of the scientific workforce in the United States. These models may be used to inform program development and management, identify questions that need additional research, and guide the collection and analysis of the data to answer these questions. <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-14-011.html>

### **Development of an NIH Data Discovery Index Coordination Consortium (U24)**

**Funding Opportunity Number:** RFA-HL-14-031

**Application Receipt Date(s):** March 6, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to create a consortium to begin development of an NIH Data Discovery Index (DDI) to allow discovery, access, and citation of biomedical data. As part of the NIH Big Data to Knowledge (BD2K) initiative, the DDI seeks to fulfill the recommendation from the Data and Informatics Working Group (DIWG) report to the Advisory Council of the Director

([http://acd.od.nih.gov/06142012\\_DIWG\\_ExecSummary.pdf](http://acd.od.nih.gov/06142012_DIWG_ExecSummary.pdf)) to "Promote Data Sharing Through Central and Federated Catalogues." The awardee in response to this FOA will constitute a DDI Coordination Consortium (DDICC, U24) to conduct outreach, fund small pilot projects, manage communication with stakeholders, constitute and coordinate Task Forces to study relevant questions related to access, discoverability, citation for all biomedical data and assure community engagement in the development, testing and validation of an NIH DDI. Part of this effort will be to assemble a user interface (website) through which the results of development and testing of models for an NIH DDI may be communicated. It is anticipated that a successful DDICC will work with the NIH to overcome obstacles in the way of better use and application of biomedical big data by developing a working concept for a DDI.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-031.html>

### **Computational Analyses Exploiting Reference Epigenomic Maps (R01)**

**Funding Opportunity Number:** RFA-RM-14-001

**Application Receipt Date(s):** March 3, 2014

**Description:** This FOA, part of the NIH Common Fund program in Epigenomics, seeks applications from investigators proposing computational analyses that will take advantage of the publicly available reference epigenomic maps generated as part of the Roadmap Epigenomics Program. <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-14-001.html>

### **NIH/PEPFAR Collaboration for Implementation Science (Admin Supp)**

**Funding Opportunity Number:** PA-14-024

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

**Description:** The National Institute of Allergy and Infectious Diseases (NIAID), with the NIH Institutes and Centers (ICs) named above, in collaboration with the President's Emergency Plan for AIDS Relief (PEPFAR), is encouraging applications for implementation science projects that will provide results to directly inform PEPFAR programs in order to increase their impact, efficiency, and sustainability. The research projects must be limited no more than one year in duration. <http://grants.nih.gov/grants/guide/pa-files/PA-14-024.html>

### **Discovering Novel Targets: The Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01)**

**Funding Opportunity Number:** PA-14-025

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

**Description:** This FOA encourages applications for research projects that identify and/or validate chromosomal loci and variations in genes that are associated with vulnerability to addiction and that inform the likelihood of responsiveness to treatment. Applications that propose to examine intermediate phenotypes or endophenotypes to assess the molecular genetics of drug addiction, addiction vulnerability and/or their associated co-morbidities and how they are related to drug addiction are especially encouraged. Also encouraged are genetic as well as computational and large-scale genomic approaches, which may include but are not limited to linkage, linkage disequilibrium, case-control or family-based studies, and integration of data from other databases that may supplement substance abuse genetics and genomics data. Data may be collected from the general population, special populations, recent admixed populations, and/or animal models. Secondary data analysis of data collected from the general population, special populations, recent admixed populations, and/or animal models is also appropriate for this announcement. Investigators are encouraged to include, as a component of their project and as appropriate, gene x gene interactions, gene x environment interactions, gene x environment x development interactions, pharmacogenetics, and non-human models.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-025.html>

### **Basic Mechanisms of Brain Development for Substance Use and Dependence (R01)**

**Funding Opportunity Number:** PA-14-026

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

**Description:** This Funding Opportunity Announcement (FOA) encourages Research Project Grant (R01) applications from institutions/organizations that propose to study the developing brain or brain areas that play significant roles in mediating emotional and motivated behavior and in substance use and dependence. All stages of brain development are of interest, but a new emphasis of the current reissue of this initiative is to support basic neuroscience research on fundamental mechanisms of brain development during prepuberty and the adolescent period in relation to the problems of substance abuse and co-morbidity with psychiatric disorders. Topics of interest pertaining to brain development of this initiative include, but are not limited to, the euphoric properties of abused substances, actions of psychotherapeutic agents, and their consequences on memory, cognitive and emotional processes. An additional major goal of this initiative is to understand how exposure to substances of abuse affects the cellular and molecular mechanisms underlying nervous

system development and neural circuit functions implicated in substance use and addiction.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-026.html>

### **Administrative Supplements for Research on Sex/Gender Differences (Admin Supp)**

**Funding Opportunity Number:** PA-14-027

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

**Description:** The Office of Research on Women's Health (ORWH) announces the availability of administrative supplements to support research highlighting the impact of sex/gender differences (or similarities) and/or sex and gender factors in human health and illness, including preclinical, clinical and behavioral studies. Of special interest are studies relevant to the molecular and cellular and systems biology bases of disease and pathophysiology, clinical presentation, and prevention and treatment of disease. The proposed research should address at least one objective from Goals 1 through 3 of the NIH Strategic Plan for Women's Health Research. <http://grants.nih.gov/grants/guide/pa-files/PA-14-027.html>

### **Chronic Illness Self-Management in Children and Adolescents (R01)**

**Funding Opportunity Number:** PA-14-029

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage research to improve self-management and quality of life in children and adolescents with chronic conditions. Managing a chronic condition is an unremitting responsibility for children and their families. Children with a chronic condition and their families have a long-term responsibility for self-management. This FOA encourages research that takes into consideration various factors that influence self-management such as individual differences, biological and psychological factors, family and sociocultural context, family-community dynamics, healthcare system factors, technological advances, and the role of the environment. <http://grants.nih.gov/grants/guide/pa-files/PA-14-029.html>

### **Chronic Illness Self-Management in Children and Adolescents (R21)**

**Funding Opportunity Number:** PA-14-030

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage research to improve self-management and quality of life in children and adolescents with chronic conditions. Managing a chronic condition is an unremitting responsibility for children and their families. Children with a chronic condition and their families have a long-term responsibility for self-management. This FOA encourages research that takes into consideration various factors that influence self-management such as individual differences, biological and psychological factors, family and sociocultural context, family-community dynamics, healthcare system factors, technological advances, and the role of the environment. <http://grants.nih.gov/grants/guide/pa-files/PA-14-030.html>

### **Reducing Health Disparities Among Minority and Underserved Children (R01)**

**Funding Opportunity Number:** PA-14-033

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

**Description:** This initiative encourages research that targets the reduction of health disparities among children. Specific targeted areas of research include biobehavioral studies that incorporate multiple factors that influence child health disparities such as biological (e.g., genetics, cellular, organ systems), lifestyle factors, environmental (e.g., physical and family environments) social (e.g., peers), economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known health condition and/or disability; and studies that test and evaluate the comparative effectiveness of health promotion interventions conducted in traditional and nontraditional settings. <http://grants.nih.gov/grants/guide/pa-files/PA-14-033.html>

### **Reducing Health Disparities Among Minority and Underserved Children (R21)**

**Funding Opportunity Number:** PA-14-034

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

**Description:** This initiative encourages research that targets the reduction of health disparities among children. Specific targeted areas of research include biobehavioral studies that incorporate multiple factors that influence child health disparities such as biological (e.g., genetics, cellular, organ systems), lifestyle factors, environmental (e.g., physical and family environments) social (e.g., peers), economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known health condition and/or disability; and studies that test and

evaluate the comparative effectiveness of health promotion interventions conducted in traditional and nontraditional settings. <http://grants.nih.gov/grants/guide/pa-files/PA-14-034.html>

#### **Women & Sex/Gender Differences in Drug and Alcohol Abuse/Dependence (R21)**

**Funding Opportunity Number:** PA-14-036

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to advance research on male-females differences in drug and alcohol abuse and addiction and on factors specific to women. Both human and animal model studies are sought. <http://grants.nih.gov/grants/guide/pa-files/PA-14-036.html>

#### **Women & Sex/Gender Differences in Drug and Alcohol Abuse/Dependence (R03)**

**Funding Opportunity Number:** PA-14-037

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to advance research on male-females differences in drug and alcohol abuse and addiction and on factors specific to women. Both human and animal model studies are sought. <http://grants.nih.gov/grants/guide/pa-files/PA-14-037.html>

#### **Women & Sex/Gender Differences in Drug and Alcohol Abuse/Dependence (R01)**

**Funding Opportunity Number:** PA-14-038

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to advance research on male-females differences in drug and alcohol abuse and addiction and on factors specific to women. Both human and animal model studies are sought. <http://grants.nih.gov/grants/guide/pa-files/PA-14-038.html>

#### **Administrative Supplement to Existing NIH Directors Biomedical Research Workforce Innovation Award: Broadening Experiences in Scientific Training (BEST) (Admin Supp)**

**Funding Opportunity Number:** PA-14-040

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

**Description:** The purpose of this FOA is to notify all Program Directors/Principal Investigators (PDs/Pis) of the Director's Biomedical Research Workforce Innovation Award: Broadening Experiences in Scientific Training (BEST) Program (RFA-RM-12-022) that funds are available for administrative supplements to parent awards in order to help meet the goals of the program. The Administrative Supplement awardee will establish and maintain electronic resources to support the BEST Award investigators in the coordination, collection, and dissemination of approaches and activities that broaden and complement traditional research training in biomedical sciences. The awardee will achieve these goals by developing, facilitating, and managing BEST Award program website(s) and/or portal(s), monthly teleconferences, and the annual meeting in collaboration with NIH personnel. <http://grants.nih.gov/grants/guide/pa-files/PA-14-040.html>

#### **Biomedical Technology Research Resource (P41)**

**Funding Opportunity Number:** PAR-14-021

**Application Receipt/Submission Date(s):** Feb 04, 2014, May 25, 2014; Sep 25, 2014; Jan 25, 2015; May 25, 2015; Sep 25, 2015; Jan 25, 2016; May 25, 2016; Sep 25, 2016

**Description:** This funding opportunity announcement (FOA) encourages grant applications for national Biomedical Technology Research Resources. These Resources conduct research and development on new technologies and new/improved instruments driven by the needs of basic, translational, and clinical researchers. The Resources are charged to make their technologies available, to train members of the research community in the use of the technologies, and to disseminate these technologies and the Resource's experimental results broadly. New applicants are strongly encouraged to submit a pre-application to PAR-14-023. The pre-application process provides feedback regarding the appropriateness for this program and competitiveness of a potential application. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-021.html>

#### **Juvenile Protective Factors and Their Effects on Aging (R03)**

**Funding Opportunity Number:** PAR-14-022

**Application Receipt/Submission Date(s):** New Applications: February 16, 2014; June 16, 2014; February 16, 2015; June 16, 2015; February 16, 2016 : Resubmissions: March 16, 2014; July 16, 2014; March 16, 2015; July 16, 2015; March 16, 2016; July 16, 2016

**Description:** The purpose of this FOA is to invite pilot/feasibility (R03) projects on: 1) descriptive studies to identify putative juvenile protective factors, 2) experimental studies to test hypotheses about their effects on aging and 3) translational studies to explore the potential risks and benefits of maintaining or modulating the level of juvenile protective factors in adult life. Juvenile protective factors are physiological factors that maintain or enhance certain functions across all or some stages of post-natal maturation, but which diminish or disappear during transitions between developmental stages (e.g., infancy, adiposity rebound, adrenarche, puberty, growth cessation). This FOA is uniquely focused on studies which involve comparisons between post-natal developmental stages or pre- vs. post-maturational changes to identify potential juvenile protective factors and their effects on aging. Pilot studies in in vitro models, in laboratory animals or in humans may be proposed. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-022.html>

#### **Pre-application for a Biomedical Technology Research Center (X02)**

**Funding Opportunity Number:** PAR-14-023

**Application Receipt/Submission Date(s):** February 3, 2014, May 15, 2014, December 16, 2014, May 15, 2015, December 16, 2015, May 16, 2016

**Description:** This announcement encourages pre-applications for the creation of national Biomedical Technology Research Resources (BTRRs). These Resources develop new or improved technology driven by the needs of basic, translational, and clinical researchers. The BTRRs are charged to make their technologies available to the biomedical research community, to train members of this community in the use of the technologies, and to disseminate both the technologies and the Resource's experimental results broadly. A detailed description of the required components of a BTRR can be found in PAR-14-021. A pre-application is a helpful first step toward submitting a full BTRR application for a new Resource, because the Resources and corresponding full applications are very complex. A pre-application can help applicants focus and refine their ideas and determine whether a BTRR is the appropriate means to support the work they have in mind, but is not required. Existing Resources are not required to submit a pre-application prior to submitting a competitive renewal. No awards will be made under this announcement. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-023.html>

#### **Mobile Health: Technology and Outcomes in Low and Middle Income Countries (R21)**

**Funding Opportunity Number:** PAR-14-028

**Application Receipt/Submission Date(s):** February 19, 2014; February 19, 2015

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage exploratory/developmental research applications that propose to study the development or adaptation of innovative mobile health (mHealth) technology specifically suited for low and middle income countries (LMICs) and the health-related outcomes associated with implementation of the technology. Of highest interest are well-designed multidisciplinary projects that focus on tools or interventions for chronic diseases or technology for disease agnostic/cross-cutting applications. Applicants are required to propose partnerships between at least one U.S. institution and one LMIC institution. The overall goal of the FOA is to contribute to the evidence base for the use of mobile technology to improve clinical outcomes and public health while building research capacity in LMICs and establishing research networks in this area.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-028.html>

#### **Specialized Programs of Research Excellence (SPOREs) in Human Cancer for Years 2013 and 2014 (P50)**

**Funding Opportunity Number:** PAR-14-031

**Application Receipt/Submission Date(s):** February 13, 2014; May 20, 2014; September 23, 2014

**Description:** This Funding Opportunity Announcement (FOA) invites applications for P50 Research Center Grants for Specialized Programs of Research Excellence (SPOREs). The program will fund P50 SPORE grants to support state-of-the-art investigator-initiated translational research that will contribute to improved prevention, early detection, diagnosis, and treatment of an organ-specific cancer (or a related group of cancers). SPOREs are expected not only to conduct a wide spectrum of research activities, but also to contribute significantly to the development of specialized shared resources Core facilities (Cores), improved research model systems, and collaborative research projects with other institutions. The research supported through this program must be translational in nature and must always be focused upon knowledge of human biology stemming from research using cellular, molecular, structural, biochemical, and/or genetic experimental approaches with the goal of a translational human endpoint within the project period of the grant. In addition, SPOREs must include both a Developmental Research Program for pilot studies and a Career Development Program to foster careers in organ-based translational science. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-031.html>

**Centers of Biomedical Research Excellence (COBRE) (P20)****Funding Opportunity Number:** PAR-14-035**Application Receipt/Submission Date(s):** February 26, 2014, January 28, 2015, and January 28, 2016

**Description:** The National Institute of General Medical Sciences (NIGMS) invites applications for Centers of Biomedical Research Excellence (COBRE) from investigators at biomedical research institutions that award doctoral degrees in the health sciences or sciences related to health or at independent biomedical research institutes within Institutional Development Award (IDeA) eligible states. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic multi-disciplinary center and to enhance the ability of investigators to compete independently for complementary National Institutes of Health (NIH) individual research grant or other external peer-reviewed support. COBRE awards are supported through the IDeA Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-035.html>

**Short-term Mentored Career Enhancement Award in Oral, Dental and Craniofacial Research for Mid-Career and Senior Investigators (K18)****Funding Opportunity Number:** PAR-14-039**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

**Description:** This Funding Opportunity Announcement (FOA) encourages applications for short-term mentored career enhancement (K18) awards in dental, oral and craniofacial research with a focus on behavioral and social sciences, and genetic and genomic research. The intent of this K18 program is to provide mid-career or senior investigators with short-term training in the theories, tools, methods or approaches of another scientific area, in order to enhance their existing research program. Two categories of candidates are targeted: (a) established dental, oral, and craniofacial research investigators who seek training with investigators from another field, in order to enrich their existing dental, oral and craniofacial research program; and (b) established investigators in other fields who seek training with dental, oral and craniofacial research investigators in order to facilitate the introduction of dental, oral and craniofacial research into an existing research program. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-039.html>

**USAID****Innovate for Health****Funding Opportunity Number:** APS-641-13-000001**Application Deadline:** June 30, 2014

**Description:** The U.S Agency for International development (USAID)/ Ghana Mission, seeks applications from qualified U.S. and non-U.S., nonprofit or for-profit non-governmental organizations (NGOs), and Government of Ghana (GOG) academic and research institutions to support its Annual Program Statement (APS) entitled "Innovate for Health". The purpose of the APS is to publicize USG plans to fund a limited number of programs through USAID/Ghana to research, introduce and scale-up innovative solutions to key health challenges as defined in the Program Summary and Objectives. <http://www.grants.gov/web/grants/view-opportunity.html?oppId=236207>

**Sustainable WASH Support in South Sudan****Funding Opportunity Number:** APS-OFDA-14-000001**Pre-Application Deadline: January 24, 2014 (Concept Paper)****Application Deadline:** June 4, 2014

**Description:** This APS seeks to align with the first strategic objective of USAID's Water and Development Strategy (2013-2018) to "Improve health outcomes through the provision of sustainable WASH." The objectives of the programs to be funded under this APS are to: 1. Reduce water-borne and diarrheal disease through comprehensive water, sanitation, and hygiene programming targeted to reduce fecal-oral disease transmission. 2. Improve sustainability of existing water supply infrastructure for communities, moving them away from fully subsidized approaches and laying the foundation for development donor and local government support through a few avenues outlined in the full announcement. <http://www.grants.gov/web/grants/search-grants.html?keywords=%20APS-OFDA-14-000001>

## Contact DoR Senior Leadership

Name	Title	Email Address
Andrés G. Gil	Vice President for Research	Andres.gil@fiu.edu
Joseph Barabino	Associate Vice President for Research Administration	Joseph.barabino@fiu.edu
Luis P. Salas	Associate Vice President for Research	Luis.salas@fiu.edu
Mirtha Alberto	Director, <a href="#">Budget &amp; Cost Analysis</a>	Mirtha.alberto@fiu.edu
Henry Artigues	Director, <a href="#">Research Operations &amp; External Partnerships</a>	Henry.artigues@fiu.edu
David Driesbach	Director, <a href="#">Research Information Systems</a>	David.driesbach1@fiu.edu
Christopher Grayson	Director, <a href="#">Research Integrity</a>	Christopher.grayson@fiu.edu
Robert Gutierrez	Director, <a href="#">Pre-Award</a>	Robert.gutierrez@fiu.edu
Pedro Hernández	Director, <a href="#">Technology Management &amp; Commercialization</a>	Pedro.hernandez7@fiu.edu
Maureen Pelham	Director, <a href="#">Research Development</a>	Maure.pelham@fiu.edu
Aida Reus	Director, <a href="#">Post-Award</a>	Aida.reus@fiu.edu
Horatiu Vinerean	Director, <a href="#">Laboratory Animal Research</a> ; Attending Veterinarian	Horatiu.vinerean@fiu.edu
Susan Webster	Director, <a href="#">Training &amp; International Research Initiatives</a>	Susan.webster@fiu.edu



**Division of Research**  
 11200 SW 8<sup>th</sup> Street, MARC 430  
 Miami, FL 33199  
 305-348-2494  
[research.fiu.edu](http://research.fiu.edu)