

## FIU technologies help “start up” new jobs in Florida

October 2013 Issue

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For more information on the Technology Management and Commercialization Unit, please visit <http://research.fiu.edu/technology/index.html> or call 305-348-0008.

One proven equation for success: Find a niche, take a new technology, pair it with an experienced entrepreneurial team, develop a business plan, market the product successfully, hire qualified employees, grow a new company and boost the economy.

Technology-based company creation is one of the goals of Technology Management and Commercialization Unit in the Division of Research (DoR).

This year, the Technology Management and Commercialization Unit staff started participating in [Startup Quest™](#), by offering [FIU's technologies](#) to the Startup Quest™ program on a statewide basis.

Startup Quest™ is an entrepreneurship program for unemployed or underemployed degree-holding professionals. Program participants develop business plans for simulated companies based on real technologies coming from Florida universities and are mentored by successful entrepreneurs. Several different

Local Workforce Investment Boards in Gainesville, Jacksonville, Daytona, Brevard, Ft Lauderdale, Tampa, St. Petersburg and Tallahassee are part of the program. The ultimate goals of the program are to create new companies and jobs in the state, and assist the currently unemployed and underemployed residents. The program is funded by the U.S. Department of Labor through a nearly \$12 million dollar, five-year grant.

“This program offers an opportunity for talented, educated Florida residents to gain entrepreneurial skills and to learn how to create a tech-based company,” says [Elizabeth Garami](#), licensing manager in the DoR's Technology Management and Commercialization Unit.

The program also enables universities, such as FIU, to showcase some of the innovative discoveries and inventions that have been generated by their researchers and students. Six of FIU's technologies were chosen recently by teams in Broward County and Gainesville for 2013's Startup Quest™ for the most current program

cycles in the state. For ten weeks, teams will work on their business plans and investor pitches, which will culminate in a “Startup Quest™ Pitch Day” where all of the teams will present their ideas to a panel of investors and hope they have the winning formula.

Since the start of Startup Quest™, 73 participants have become employed, 14 companies have been formed and 26 new jobs were created by the startups. “There definitely have been some positive results vis-à-vis employment and startup creation,” points out [Pedro Hernández](#), director of Technology Management and Commercialization. “The benefit for the University is that we will end up with business plans for the FIU technologies that were selected that will assist us in commercializing the technologies, and maybe even enter into some license agreements with some of the program participants. Other benefits are that we help the community by helping to empower our unemployed/underemployed skilled workforce, and hopefully create new jobs and companies along the way. It's a win-win for everyone.”



*Pictured at left, a room full of aspiring entrepreneurs waited to see if they would be chosen as part of Broward County's 2013 Startup Quest™.*

# Upcoming Events

## October 2013

- **October 3** from 3 to 4:30 pm at CP197 “Diversity on Physics” presented by [Dr. Casey Miller](#), Director of APS-Bridge at USF.
- **October 4** from 1:30 to 2:30 pm at OE 134 “Condensed Matter” presented by [Dr. Casey Miller](#), Director of APS-Bridge at USF.
- **October 4** at 12 noon in AHC1 #110, “Speed Dating for Research Collaborations at FIU—new faculty from RSCPH&SW and Center for Children and Families (CCF)”—part of CCF’s Brown Bag Series.
- **October 8** at 12 noon in AHC1 #110 “How Experience Shapes Development: Handedness Trajectories in Primates” presented by [Eliza Nelson](#)—part of CCF’s Brown Bag Series.
- **October 9** from 9 am to 4 pm, the College of Engineering and Computing will hold its First FIU-UM Computational Biology Research Day at the MARC Pavilion. [Dr. Keith Crandall](#), Director of the Computational Biology Institute at George Washington University, will deliver the keynote address at 9:15 am, followed by FIU and UM presentations and student posters.
- **October 9** from 12 to 1:30 pm at the Faculty Club, “Faculty Mentor Lunch for CAS-CEC-RSCPHSW for mentor/mentee pairs.”
- **October 10** from 1:25 to 4:30 pm, [RACC Session 2: Post Award Administration I and Export Controls](#).
- **October 11** from 9 to 10 am at EC 2300 “Peeking inside a Child’s Epileptic Brain” presented by Dr. Carlos Cepeda from the [IDDRC](#), Semel Institute, UCLA—sponsored by the Department of Biomedical Engineering.
- **October 14**—FIU’s Nuclear Advisory Board meeting, MARC Pavilion.
- **October 18** from 9 to 10 am in EC 230, “Abnormal Blood Flow in Epilepsy” presented by [Dr. Stephen Macknik](#) from the Barrow Neurological Institute—sponsored by the Department of Biomedical Engineering.
- **October 18** at 10 am in the GC Ballrooms “Positive Psychology: The Cutting Edge” presented by [Dr. Martin Seligman](#), sponsored by the Center for Leadership. Register on line at <https://crm.orionondemand.com/crm/forms/x67c0c87S7020x6702B26>
- **October 18** at 12 noon in AHC1 #110 “The Summer Reading Explorers’ Program: A Pilot Evaluation of Summer Reading Intervention Programs Promoting Emergent Literacy Skills in Young Children from At-Risk Communities” presented by Katie Hart—part of CCF’s Brown Bag Series.
- **October 24** from 1:30 to 4:30 pm at MARC 125, [RACC Session 3: Post Award Administration II](#).
- **October 25** at 12 noon in AHC1 #110, “Improving School Readiness in Preschoolers with Externalizing Behavior Problems: Preliminary Results from a Summer Treatment Program for Pre-Kindergarteners” presented by [Paulo Graziano](#) and Katie Hart—part of CCF’s Brown Bag Series.
- **October 29** from 9:30 to 11:30 am in GC 150, [Quarterly Research Administrators’ Meeting](#).
- **October 29** from 2 to 3:30 pm the Transportation Research Board of the National Academy of Engineers will highlight the research activities of CEC and the Civil and Environmental Engineering Department in a **webinar on**. For **free registration and professional development hours**, please visit <http://www.trb.org/main/blurbs/169470.aspx>
- **October 31** from 2 to 3:30 pm in AHC-4 #402 “Case Study of a Successful Mentoring Relationship” by [Yuk-Ching Tse-Dinh](#), Professor, & [Yuan Liu](#), Assistant Professor, Chemistry & Biochemistry—part of the Faculty Mentor Program.

## November 2013

- **November 1** at 12 noon in AHC1 # 110 “The Impact of Social Withdrawal on Children’s Adjustment: Physiological and Contextual Influences” by [Heather Henderson](#)—part of CCF’s Brown Bag Series.
- **November 7** from 10 am to 12 noon in RDB 1000, the Center for Leadership presents [Robert Schreiter](#). Please visit <http://lead.fiu.edu/engagement/lectureseries/leadership/index.html> for registration details.
- **November 8** at 12 noon in AHC1 #110 “Extending the Scope and Accessibility of Children’s Mental Health Care through Technology” by [Jon Comer](#)—part of CCF’s Brown Bag Series.
- **November 12**—grand opening of the [Stocker AstroScience Center](#)
- **November 13** at 8 pm Stocker AstroScience Star Party.
- **November 13** in the MARC Pavilion—FIU’s annual Department of Energy (DOE) Induction Ceremony.
- **November 15** at 12 noon in AHC1 #110 “Neurobiological Organization of Language: Research Using High-Field Magnetic Resonance Imaging” by [Anthony Dick](#)—part of CCF’s Brown Bag Series.

- **November 19 and 20** at the RDB College of Law Large Courtroom, the second annual industry meeting of the National Science Foundation (NSF) Nanosystems Engineering Research Center (ERC) for Advanced Self-Powered Systems of Integrated Sensors and Technologies ([ASSIST](#)). Please register [here](#).
- **November 20** at 9:45 am in the MARC Pavilion “Connecting Genomic Alterations to Cancer Biology with Proteomics” presented by [Dr. Henry Rodríguez](#), Director of the [Office of Cancer Clinical Proteomics Research](#) at the National Cancer Institute, National Institutes of Health.
- **November 22** at 11 am at the College of Business Complex Room 155 (and via polycom at BBC Marine Sciences Building Room 105), “Accelerating and Enhancing the Drug Discovery Process” by [Dr. Richard Houghten](#) from [Torrey Pines Institute for Molecular Studies](#).
- **November 22** from 2 to 3:30 pm at AHC4 #402 “Preparing for the 3rd Year Review” by [Meredith Newman](#), Sr. Associate Dean (CAS).

### December 2013

- **December 3** (by invitation only) Second Annual Induction Ceremony of the FIU Chapter of the National Academy of Inventors.
- **December 6** at 12 noon in AHC1 #110 “The Changing Landscape of Cannabis Use and Its Impact on Neurocognitive Functioning” by [Raúl González](#)—part of CCF’s Brown Bag Series.
- **December 10** at 3:30 pm in the MARC Pavilion “Developing Testable Hypotheses” by [O. Dale Williams](#), FIU Professor and Chair of the Biostatistics Department.

The previously announced Team Science workshop has been moved to Spring 2014.

## *Awards Received—August 2013*

FIU researchers were awarded \$10,497,715 in **AUGUST 2013**. Listed below is a summary of awards received for the month of August.

**PI:** Consuelo Maria Beck Sague

**HEALTH PROMO AND DISEASE PREV**

**Award Action Type:** Continuation

**AWARDING SPONSOR:** National Institutes of Health

**TITLE:** Piloting disclosure of their status to youth living with HIV in Hispaniola

**AWARD:** \$ 114,369

**PI:** Mahadev Bhat

**EARTH AND ENVIRONMENT**

**Award Action Type:** Continuation

**AWARDING SPONSOR:** National Institute of Food & Agriculture

**TITLE:** Florida Caribbean Consortium for Agriculture Education and Hispanic Workforce Development

**AWARD:** \$ 825,000

**PI:** Linda Blanton

**COE TEACHING AND LEARNING**

**Award Action Type:** Continuation

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

**TITLE:** Project EDUCATE

**AWARD:** \$ 242,991

**PI:** Kevin Boswell

**BIOLOGY**

**Award Action Type:** Initial

**AWARDING SPONSOR:** Prince William Sound Science Center

**TITLE:** HRM-Non lethal sampling: In situ estimation of juvenile herring sizes

**AWARD:** \$ 40,070

**PI:** Henry Briceno

**SOUTHEAST ENV RESEARCH CTR**

**Award Action Type:** Initial

**AWARDING SPONSOR:** Government of Bermuda Conservation Svcs

**TITLE:** Water Quality Monitoring Program for Bermuda's Coastal Resources

**AWARD:** \$ 24,983

**PI:** Amaury Caballero  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Public Schools  
**TITLE:** Electrical Wiring Program for Severely Emotionally Disturbed Students **AWARD: \$** 87,456

**PI:** Yong Cai  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Emory University  
**TITLE:** Arsenic Induced Apoptosis in Myeloma **AWARD: \$** 11,948

**PI:** Fabian Gonzalo Cevallos  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** University of South Florida  
**TITLE:** Handbook on Transit Planning and Operations : Subproject for Mod1 **AWARD: \$** 86,394

**PI:** Fabian Gonzalo Cevallos  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** University of South Florida  
**TITLE:** Handbook on Transit Planning and Operations: Subproject for Mod2 **AWARD: \$** 130,000

**PI:** Shu-Ching Chen  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Purdue University  
**TITLE:** A Data Mining Framework for Enhancing Emergency Response Situation Reports with Multi-Agency, Multi-Partner, Multimedia Data **AWARD: \$** 75,000

**PI:** Erika K Coles  
**CENTER FOR CHILDREN AND FAM**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Ohio University  
**TITLE:** Development of Strategies to Increase Teacher Integrity in a Daily Report Card Intervention for Children with or at-risk for ADHD **AWARD: \$** 190,804

**PI:** Marie Alexandra Cornelius  
**HISTORY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Education  
**TITLE:** Florida Teaching Quality (FTQ) **AWARD: \$** 199,232

**PI:** Marie Alexandra Cornelius  
**HISTORY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Education  
**TITLE:** Florida Teaching Quality (FTQ) **AWARD: \$** 299,232

**PI:** Elizabeth Cramer  
**COE TEACHING AND LEARNING**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Project PREPARE: Preparing Rigorous and Effective Professionals as Autism Researchers and Educators, focus area D: Project PREPARE **AWARD: \$** 72,871

**PI:** Elizabeth Cramer  
**COE TEACHING AND LEARNING**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Project PREPARE: Preparing Rigorous and Effective Professionals as Autism Researchers and Educators, focus area D: Student Support Proj. PREPARE **AWARD: \$** 177,128

**PI:** Anthony Paul De Caprio  
**INT FORENSIC RSCH INSTITUTE**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Cancer Institute  
**TITLE:** Platform for High-Throughput Analysis of Protein Adducts for Carcinogen Exposure **AWARD: \$** 173,262

**PI:** Jessy Devieux  
**DIVISION OF RESEARCH**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** FIU Division of Research  
**TITLE:** DORBRDG **AWARD: \$** 55,432

**PI:** Jorge Duany  
**CUBAN RESEARCH INSTITUTE**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Ethnographic Overview and Assessment of the San Juan National Historic Site: A Research Plan **AWARD: \$** 64,779

**PI:** James W Fourquarean  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Synthesis of Water Quality and Benthic Habitat **AWARD: \$** 13,733

**PI:** James W Fourquarean  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Submerged Aquatic Vegetation & Water Quality Monitoring **AWARD: \$** 105,000

**PI:** James W Fourquarean  
**BIOLOGY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Environmental Protection Agency  
**TITLE:** EPA Fellowship - Elizabeth Stoner **AWARD: \$** 17,000

**PI:** James W Fourquarean  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Aeronautics & Space Administration  
**TITLE:** NEEMO Sea Test 2 **AWARD: \$** 80,000

**PI:** James W Fourquarean  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Naval Postgraduate School  
**TITLE:** Center for Autonomous Vehicle Research participation in NEEMO Aquarius mission **AWARD: \$** 40,000

**PI:** Cheng-Tin Gan  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Extraction of Basic Roadway Information for Non-State Roads in Florida **AWARD:** \$ 102,000

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

**PI:** Rosemary L Hickey  
**EARTH AND ENVIRONMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Expanding the Use of Online Remote Electron Microscopy in the Classroom to Transform Undergraduate Geoscience Education **AWARD:** \$ 332,451

**PI:** Michelle M Hospital  
**PSYCHOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Ware Foundation  
**TITLE:** Enhancing Resilience among At-Risk Minority Youth through Music Education: An Evaluation of ESMIA (aka, Project TREBLE) **AWARD:** \$ 5,000

**PI:** Julio E Ibarra  
**CIARA**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** IRNC-ProNet: Americas LightPaths: Increasing the Rate of Discovery and Enhancing Education across the Americas **AWARD:** \$ 1,798,091

**PI:** Haiyan Jiang  
**EARTH AND ENVIRONMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Oceanic and Atmospheric Admin  
**TITLE:** Improvement to the Satellite-based 37 GHz Ring Rapid Intensification Index **AWARD:** \$ 69,980

**PI:** Konstantinos Kavallieratos  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** U.S. Nuclear Regulatory Commission  
**TITLE:** FIU Nuclear Scholarship (FNS) Program **AWARD:** \$ 200,000

**PI:** Laird H Kramer  
**PHYSICS**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Office of Naval Research  
**TITLE:** Pathways to success in STEM **AWARD:** \$ 191,770

**PI:** Leonel Lagos  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Science Applications International Corp  
**TITLE:** SAIC Interns **AWARD:** \$ 15,126

<b>PI:</b> Leonel Lagos <b>ARC APPLIED RESEARCH CENTER</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Savannah River Nuclear Solutions LLC <b>TITLE:</b> Development of a Meso Scale Sensor Test bed for In-situ Decommissioning of Nuclear Facilities	<b>AWARD: \$</b>	27,870
<b>PI:</b> Angela Marie Richmond Laird <b>PHYSICS</b> <b>Award Action Type:</b> Continuation <b>AWARDING SPONSOR:</b> UT Health Science Center San Antonio <b>TITLE:</b> Meta-Analysis in Human Brain Mapping	<b>AWARD: \$</b>	77,210
<b>PI:</b> Chenzhong Li <b>BIOMEDICAL ENGINEERING</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Burroughs Wellcome Fund <b>TITLE:</b> Chenzhong, Li-U.S.-China-Japan Collaborative Research: Lab-on-Chip Integrated Biological Synchrotron Radiation System for Nanotoxicity Assay	<b>AWARD: \$</b>	5,000
<b>PI:</b> Juan Paulo Liuzzi <b>DIETETICS AND NUTRITION</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Alcohol Abuse and Alcoholism <b>TITLE:</b> Role of zinc in autophagy during ethanol exposure	<b>AWARD: \$</b>	72,500
<b>PI:</b> Purnima Madhivanan <b>EPIDEMIOLOGY</b> <b>Award Action Type:</b> Supplemental <b>AWARDING SPONSOR:</b> University of California Berkeley <b>TITLE:</b> Global Health Fellows and Scholars Program	<b>AWARD: \$</b>	8,587
<b>PI:</b> Lindsay Malloy <b>CENTER FOR CHILDREN AND FAM</b> <b>Award Action Type:</b> Increase <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> Children's Recantation of Adult Wrongdoing: In the Field and In the Lab	<b>AWARD: \$</b>	10,939
<b>PI:</b> Mark A Marine <b>ARCHICT AND THE ARTS DEANS OFF</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Florida Department of Transportation <b>TITLE:</b> FDOT Water Repair Project	<b>AWARD: \$</b>	34,850
<b>PI:</b> Pete Markowitz <b>PHYSICS</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Princeton University <b>TITLE:</b> MOU Between Fermi National Lab and FIU	<b>AWARD: \$</b>	30,000
<b>PI:</b> H Virginia McCoy <b>HEALTH PROMO AND DISEASE PREV</b> <b>Award Action Type:</b> Pre-Award <b>AWARDING SPONSOR:</b> University of Puerto Rico <b>TITLE:</b> Florida Puerto Rico Public Health Research	<b>AWARD: \$</b>	13,442



**PI:** Dwayne McDaniel  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Federal Aviation Administration  
**TITLE:** Effect of Surface Contamination on Composite Bond Integrity and Durability **AWARD: \$** 75,000

**PI:** Maria Jose Miguez Perez  
**SISH**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Role of BNDF on Risk Behavior Decision Making **AWARD: \$** 427,934

**PI:** De Etta kay Mills  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Sigma Xi  
**TITLE:** Comparison of Two Novel Polymers using Capillary Electrophoresis for Bioseparations of Complex DNA Mixtures **AWARD: \$** 530

**PI:** Joongho Moon  
**CHEMISTRY**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Multiphoton Probes for Biomedical Imaging **AWARD: \$** 206,525

**PI:** Francisco Mora  
**LATIN AMERICAN AND CARIB CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Title VI-National Resource Center: National Resource Centers **AWARD: \$** 67,321

**PI:** Francisco Mora  
**LATIN AMERICAN AND CARIB CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Title VI-National Resource Center: National Resource Centers **AWARD: \$** 65,692

**PI:** Norman D Munroe  
**MECHANICAL AND MAT ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Parkson Corporation  
**TITLE:** Corrosion assessment of stainless steel components of Parkson Corporation waste water treatment plants **AWARD: \$** 13,500

**PI:** Edward P Murray  
**METROPOLITAN CENTER**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** Citizens Independent Transportation Trus  
**TITLE:** Market, Demographic and Economic Analytical Support **AWARD: \$** 10,000

**PI:** Edward P Murray  
**METROPOLITAN CENTER**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Citizens Independent Transportation Trus  
**TITLE:** CITT - Market, Demographic and Economic Analytical Support - 8th Street and NW 147th Avenue **AWARD: \$** 15,000



**PI:** Michelle L Odai  
**ATHLETIC TRAINING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Athletic Trainers' Association  
**TITLE:** Showcasing an Ethnically Diversity ATEP to Promote Student Recruitment, Retention, and Education  
**AWARD:** \$ 1,850

**PI:** Nezh Pala  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Power and Light  
**TITLE:** Building a Test Bed for Hybrid Photovoltaic Solar-Thermal (PVT) Systems  
**AWARD:** \$ 75,000

**PI:** Amy R Paul Ward  
**OCCUPATIONAL THERAPY**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Preparing Occupational Therapists to Practice in Schools (POPS)  
**AWARD:** \$ 244,436

**PI:** William E Pelham Jr  
**CENTER FOR CHILDREN AND FAM**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Pittsburgh  
**TITLE:** The Development of Alcohol Use and Abuse in ADHD Adolescents  
**AWARD:** \$ 47,339

**PI:** Raju Rangaswami  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** CSR: Small: Non-blocking Writes  
**AWARD:** \$ 481,367

**PI:** Raphael G Raptis  
**CHEMISTRY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**Title:** Copper-Based Water-Oxidation Electrocatalysts; Design, Synthesis & Characterization  
**Award:** \$ 143,613

**PI:** Naphtali Rishe  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Center for Advanced Knowledge Enablement: REU Supplement to I/UCRC CAKE  
**AWARD:** \$ 16,000

**PI:** Naphtali Rishe  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Center for Advanced Knowledge Enablement: VRS Supplement to I/UCRC Cake  
**AWARD:** \$ 10,000

**PI:** Naphtali Rishe  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Center for Advanced Knowledge Enablement: IUCRc INOV MD CAKE  
**AWARD:** \$ 200,000

**PI:** Barry Philip Rosen  
**COM CELL BIOLOGY AND PHARM**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Mechanisms of arsenical transport  
**AWARD:** \$ 450,023

**PI:** Michael S Ross  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** U.S. Fish and Wildlife Service  
**TITLE:** Three Florida Keys Research Needs  
**AWARD:** \$ 17,625

**PI:** Jay Sah  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Re-sampling of Vegetation Survey Sites within Cape Sable seaside sparrow Habitat  
**AWARD:** \$ 66,087

**PI:** Sofia Santiesteban  
**COLLEGE ACCESS**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Agriculture and Co  
**TITLE:** CROP-SFSP 2013 Agreement #04-0636  
**AWARD:** \$ 2,017

**PI:** Sofia Santiesteban  
**COLLEGE ACCESS**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Agriculture and Co  
**TITLE:** UB-SFSP 2013 Agreement #04-0658  
**AWARD:** \$ 8,668

**PI:** Dorret E Sawyers  
**MULTICULTURAL PROGRAMS MMC**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Student Support Services Program  
**AWARD:** \$ 200,534

**PI:** Surendra K Saxena  
**MECHANICAL AND MAT ENGINEERING**  
**Award Action Type:** Pre-Award  
**AWARDING SPONSOR:** Iowa State University  
**TITLE:** Sustainable Allow Design: Searching for Rare Earth Element Alternatives through Crystal Engineering  
**AWARD:** \$ 20,000

**PI:** Sharon R Simon  
**NURSING UNDERGRADUATE**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Health Resources & Services Administrati  
**TITLE:** Veterans to BSN Program  
**AWARD:** \$ 335,420

**PI:** Dionne Stephens  
**PSYCHOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** American Psychological Association  
**TITLE:** Identifying intimate partner relationship scripts to reduce verbal sexual coercion among Hispanic emerging adults  
**AWARD:** \$ 6,500

**PI:** Georgio Tachiev  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Intergrated Hydrological and water quality model using MIKE SHE and MIKE 11 Software  
**AWARD:** \$ 45,000

**PI:** Markus L Thiel  
**SIPA**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** European Commission  
**TITLE:** Miami-Florida European Center of Excellence  
**AWARD:** \$ 132,822

**PI:** Joel Trexler  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** U.S. Geological Survey  
**TITLE:** Response of Fish to the DECOMP Physical Model  
**AWARD:** \$ 86,728

**PI:** Joel Trexler  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Analyzing The Impact of The Intermediate Operating Plan(IOP) in The Eastern Everglades, Everglades National Park  
**AWARD:** \$ 205,000

**PI:** Tiffany Troxler  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Ecological Assessment of Florida Bay and adjacent Mangrove Wetlands  
**AWARD:** \$ 148,056

**PI:** David K Twigg  
**J GORDON INS PUB POL AND CITI**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Defense Intelligence Agency  
**TITLE:** Program in National Security Studies: Program in National Security  
**AWARD:** \$ 101,724

**PI:** David K Twigg  
**J GORDON INS PUB POL AND CITI**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Defense Intelligence Agency  
**TITLE:** Program in National Security Studies: Online Certificate  
**AWARD:** \$ 19,050

**PI:** Mary Ann Von Glinow  
**DEPT OF MGMT AND INTL BUSINESS**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Center of International Business Education and Research  
**AWARD:** \$ 167,514

**PI:** Anna H Wachnicka Kosiorek  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** U.S. Geological Survey  
**TITLE:** A multi-proxy study of environmental change and ecological regime shift detection in Florida Bay and Biscayne Bay, Florida (USA) over the last ~100-1000 years  
**AWARD:** \$ 25,000

**PI:** Oren Dale Williams

**BIOSTATISTICS**

**Award Action Type:** Continuation

**AWARDING SPONSOR:** National Institutes of Health

**TITLE:** Strengthening Indian NCD Clinical Research and Training Capacity

**AWARD:** \$ 213,385

**PI:** Yimin Zhu

**CONSTRUCTION MANAGEMENT**

**Award Action Type:** Initial

**AWARDING SPONSOR:** Environmental Protection Agency

**TITLE:** On Track to Carbon Neutral Buildings

**AWARD:** \$ 15,000

## *Limited Submission Funding Opportunities*

Below are limited submission funding opportunities with internal deadlines for the months of October 2013 and November 2013.

<b>Agency:</b>	<b>National Science Foundation</b>	
<b>Program:</b>	Major Research Instrumentation Program (MRI): Instrument Acquisition or Development (NSF 13-517)	
<b>Institutional Submission Limits:</b>	Limit on Number of Proposals per Organization: Three (3) as described below. If three proposals are submitted, at least one of the proposals must be for instrument development (i.e., no more than two proposals may be for instrument acquisition). Cost-sharing at the level of 30% of the total project cost, not 30% of the amount requested of NSF, is required by the university in response to this solicitation. Given that the purpose of an MRI proposal is to either acquire or develop large instrumentation DOR will provide 1:1 match (up to the 30% required) to amounts that the applicant will pledge in equipment costs and associated supplies. If the applicant wants to use other allowable costs to meet the 30% cost share requirement (like salary, wages, fringes etc...) they can but DOR will only match the costs that the applicant cost shares in equipment and associated supplies (on a 1:1 basis up to the 30% required amount). A cost share form signed by the Dean of the college must accompany the Internal Proposal Application to be considered for this competition.	
<b>Internal Proposal Deadline:</b>	<b>10/14/2013</b>	<a href="#">internal proposal application</a>
<b>Agency Deadline:</b>	1/23/2014	
<b>Status:</b>	Open	
<b>Link:</b>	<a href="http://www.nsf.gov/pubs/2013/nsf13517/nsf13517.htm">http://www.nsf.gov/pubs/2013/nsf13517/nsf13517.htm</a>	
<b>Agency:</b>	<b>National Science Foundation</b>	
<b>Program:</b>	Partnerships for Innovation: Building Innovation Capacity (PFI: BIC) (NSF 13-587)	
<b>Institutional Submission Limits:</b>	Academic institutions are limited to participation on two (2) proposals as a lead institution.	
<b>Internal Proposal Deadline:</b>	<b>10/18/2013</b>	<a href="#">internal proposal application</a>
<b>Agency Deadline:</b>	Letter of Intent Due: 11/18/2013	Full Proposal Deadline: 1/27/2014
<b>Status:</b>	Open	
<b>Link:</b>	<a href="http://www.nsf.gov/pubs/2013/nsf13587/nsf13587.htm">http://www.nsf.gov/pubs/2013/nsf13587/nsf13587.htm</a>	
<b>Agency:</b>	<b>Miami Dade County Department of Cultural Affairs</b>	
<b>Program:</b>	FY 2013-2014 TOURIST DEVELOPMENT COUNCIL GRANTS PROGRAM	
<b>Institutional Submission Limits:</b>	Two applications per fiscal year. *This is contingent upon the number of applications we receive based on Miami-Dade County's fiscal year (October 1 - September 30)	

<b>Internal Proposal Deadline:</b>	<b>11/15/2013</b>	<b><u><a href="#">internal proposal application</a></u></b>
<b>Agency Deadline:</b>	1/16/2014	
<b>Status:</b>	Open	
<b>Link:</b>	<u><a href="http://miamidadearts.culturegrants.org/navigation/links/page/tourist-development-council-tdc">http://miamidadearts.culturegrants.org/navigation/links/page/tourist-development-council-tdc</a></u>	
<b>Agency:</b>	<b>National Institutes of Health</b>	
<b>Program:</b>	Research Centers in Minority Institutions Program (G12) (PAR-11-132)	
<b>Institutional Submission Limits:</b>	Applicant organizations may submit only one application.	
<b>Internal Proposal Deadline:</b>	<b>11/25/2013</b>	<b><u><a href="#">internal proposal application</a></u></b>
<b>Agency Deadline:</b>	Letter of Intent Due: 12/25/2013	Application Due: 1/25/2014
<b>Status:</b>	Open	
<b>Link:</b>	<u><a href="http://grants.nih.gov/grants/guide/pa-files/PAR-11-132.html">http://grants.nih.gov/grants/guide/pa-files/PAR-11-132.html</a></u>	
<b>Agency:</b>	<b>National Institutes of Health</b>	
<b>Program:</b>	Centers of Excellence for Research on CAM (P01) - AIDS Application (PAR-12-151)	
<b>Institutional Submission Limits:</b>	Only one application per institution is allowed.	
<b>Internal Proposal Deadline:</b>	<b>11/25/2013</b>	<b><u><a href="#">internal proposal application</a></u></b>
<b>Agency Deadline:</b>	AIDS Application: 01/07/2014	
<b>Status:</b>	Open	
<b>Link:</b>	<u><a href="http://grants.nih.gov/grants/guide/pa-files/PAR-12-151.html">http://grants.nih.gov/grants/guide/pa-files/PAR-12-151.html</a></u>	

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

#### **Breast Cancer Research Program – Breakthrough Award**

**Funding Opportunity Number:** W81XWH-13-BCRP-BREAKTHROUGH2

**Pre-Application Deadline:** **October 8, 2013**

**Invitation to Submit an Application:** November 2013

**Application Deadline:** January 15, 2014

**Description:** Applications to the Fiscal Year 2013 (FY13) Breast Cancer Research Program (BCRP) are being solicited for the Assistant Secretary of Defense for Health Affairs, Defense Health Program (DHP), by the U.S. Army Medical Research Acquisitions Activity (USAMRAA). The BCRP was initiated in fiscal year 1992 (FY92) to support innovative, high-impact research focused on ending breast cancer. Appropriations for the BCRP from FY92 through FY12 totaled \$2.8 billion. The FY13 appropriation is \$120.0 million (M). The BCRP challenges the scientific community to design research that will address the urgency of ending breast cancer. Specifically, the BCRP seeks to accelerate high-impact research with clinical relevance, encourage innovation and stimulate creativity, facilitate multidisciplinary collaborations, and support future breast cancer leaders. [http://cdmrp.army.mil/funding/pa/13bcprpbreakthrough2\\_pa.pdf](http://cdmrp.army.mil/funding/pa/13bcprpbreakthrough2_pa.pdf)

#### **The Department of Defense (DoD) Fiscal Year 2014 Defense University Research Instrumentation Program (DURIP)-for Army Submission—Dep.t of the Army—Material Command—Department of Defense**

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

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

**Application Deadline:** **October 21, 2013**

**Description:** The Department of Defense (DoD) announces the Fiscal Year 2014 Defense University Research Instrumentation Program (DURIP), a part of the University Research Initiative (URI). DURIP is designed to improve the capabilities of U.S. institutions of higher education (hereafter referred to as “universities”) to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment. ARMY SUBMISSION <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

### **Defense Production Act (DPA) Title III Additive Manufacturing for Liquid Rocket Engines**

**Funding Opportunity Number:** FOA-RQKM-2013-0011

**Application Deadline:** **October 31, 2013**

**Description:** This Title III project shall advance the domestic capability for precision manufacturing of components utilized by National Security Space (NSS) agencies to launch critical assets into Earth orbit. The recipient shall currently produce components for liquid rocket engines (LRE) used by NSS programs and have the capability to transition production to use additive manufacturing processes. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

## **Department of Energy**

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

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

**Application Deadline:** November 27, 2015—Applications will be accepted continuously until November 27, 2015.

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

## **Environmental Protection Agency**

### **Technical Assistance and Support for Improved Protection of Drinking Water Sources**

**Funding Opportunity Number:** EPA-OW-OGWDW-13-02

**Application Deadline:** **October 7, 2013**

**Description:** The U.S. Environmental Protection Agency (EPA) is soliciting applications from eligible applicants for technical assistance and support that will enhance communication and coordination between the EPA and the states to protect drinking water sources. The technical assistance and support should develop and expand the capability of state and tribal Underground Injection Control (UIC) programs (Classes I-VI) and state and tribal source water protection programs to protect drinking water sources. Funds awarded under this announcement may be used by recipients to promote participation in meetings that improve the ability to protect drinking water sources and to support the travel expenses of non-federal personnel to attend appropriate meetings. <http://water.epa.gov/type/groundwater/uic/Grants.cfm>

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

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

**Application Deadline:** **October 8, 2013**

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

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

### **FY 2014 National Environmental Information Exchange Network Grant Program**

**Funding Opportunity Number:** EPA-OEI-14-01

**Application Deadline:** November 8, 2013

**Description:** The Exchange Network Grant Program provides funding to states, tribes, inter-tribal consortia and territories to develop and implement the information technology and information management capabilities they need to actively participate in the Exchange Network. This grant program supports the exchange of environmental data and collaborative work within the Exchange Network. Grantees will share work products with all EN partners through EPA's Reusable Component Services (RCS) database. <http://epa.gov/exchangenetwork/grants/>

## **Miami-Dade County Department of Cultural Affairs**

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

**Funding Opportunity Number:** N/A

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

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

### **Tourist Development Council Grant Program**

**Funding Opportunity Number:** N/A

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

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

### **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

**Night Rover Challenge**—a \$1.5M energy storage competition

**Funding Opportunity Number:** NNH13ZUA00XN

**Application Deadline:** **October 25, 2013**

**Description:** Registration is open for teams seeking to compete in the \$1.5 million energy storage competition known as the Night Rover Challenge, sponsored by NASA and the Cleantech Open of Palo Alto, Calif. To win, a team must demonstrate a stored energy system that can power a simulated solar-powered exploration vehicle that can operate through multiple cycles of daylight and extended periods of darkness.

<https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={22395A3D-DA0E-BB95-4C82-2C50ECD97E08}&path=open>

### Space Technology Research Fellowships

**Funding Opportunity Number:** NSTRF14

**Application Deadline:** November 13, 2013

**Description:** This call for graduate student fellowship applications, entitled NASA Space Technology Research Fellowships (NSTRF) – Fall 2014 (NSTRF14), solicits applications from individuals pursuing or planning to pursue master's (e.g., M.S.) or doctoral (e.g., Ph.D.) degrees in relevant space technology disciplines at accredited U.S. universities. NASA Space Technology Fellows will perform innovative space technology research and will improve America's technological competitiveness by providing the Nation with a pipeline of innovative space technologies.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={BD3F49F4-611F-D9EC-1B84-16F4D7551609}&path=open>

### Ocean Salinity Field Campaign

**Funding Opportunity Number:** NNH13ZDA001N-OSFC

**Pre-Application Deadline:** November 1, 2013

**Application Deadline:** December 2, 2013

**Description:** The objective of this program element is to select additional members to the NASA Ocean Salinity Science Team for the analysis phase of a 2012-13 Ocean Salinity Field Campaign. This field campaign is known as the Salinity Processes in the Upper-Ocean Regional Study (SPURS). The planned work coincides with the U.S.-Argentine Aquarius/SAC-D and European SMOS surface salinity satellite missions, as well as the continuing, global array of ARGO profiling floats, all of which provide excellent new tools to monitor ocean salinity. The SPURS field campaign is underway (<http://SPURS.jpl.nasa.gov>) and this announcement anticipates the need for both analysis work and planning for the next SPURS campaign (in a high precipitation, low salinity location circa 2015).

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={1A42808C-0423-D8B5-34F9-AAEE83031C2F}&path=open>

## National Endowment for the Humanities

### Sustaining Cultural Heritage Collections

**Funding Opportunity Number:** 20131203-PF

**Application Deadline:** December 3, 2013

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

effectiveness, cost, and environmental impact. Such a balance can contribute to an institution's financial health, reduce its use of fossil fuels, and benefit its green initiatives, while ensuring that significant collections are well cared for and available for use in humanities programming, education, and research. <http://www.grants.gov/web/grants/search-grants.html>

## National Institutes of Health

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

**Funding Opportunity:** RFA-AG-14-013

**Application Receipt Date(s):** November 14, 2013

**Description:** The National Institute on Aging (NIA) and the National Institute of Neurological Disorders and Stroke (NINDS), are pursuing this initiative to encourage and assist the development of future leaders in the field of aging by supporting clinically trained (primarily physician) faculty members early in their careers to gain additional research training and to establish independent programs in aging research. The [John A. Hartford Foundation](#) and [The American Federation for Aging Research](#) are interested in independently funding applications submitted under this initiative. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-013.html>

### **Paul B. Beeson Patient-Oriented Research Career Development Award in Aging (K23)**

**Funding Opportunity:** RFA-AG-14-014

**Application Receipt Date(s):** November 14, 2013

**Description:** The National Institute on Aging (NIA) and the National Institute of Neurological Disorders and Stroke (NINDS) are pursuing this initiative to encourage and assist the development of future leaders in the field of aging by supporting clinically trained (primarily physician) faculty members early in their careers to gain additional research training and to establish independent programs in aging research. The [John A. Hartford Foundation](#) and [The American Federation for Aging Research](#) are interested in independently funding applications submitted under this initiative. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-014.html>

### **Inner City Asthma Consortium (UM1)**

**Funding Opportunity:** RFA-AI-13-036

**Application Receipt Date(s):** December 20, 2013

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to invite applications to conduct clinical research and assume the leadership and administrative responsibilities for the Inner City Asthma Consortium (ICAC). The selected applicant will continue the mission of the ICAC, which focuses on the prevention and treatment of asthma in inner-city populations by conducting clinical trials and mechanistic studies in order to understand the immunopathogenesis of the disease and to evaluate and develop effective interventions tailored to inner-city populations. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-13-036.html>

### **Academic Research Enhancement Award (Parent R15)**

**Funding Opportunity Number:** PA-13-313

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

**Description:** The purpose of the Academic Research Enhancement Award (AREA) program is to stimulate research in educational institutions that provide baccalaureate or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support. AREA grants create opportunities for scientists and institutions, otherwise unlikely to participate extensively in NIH research programs, to contribute to the Nation's biomedical and behavioral research effort. AREA grants are intended to support small-scale research projects proposed by faculty members of eligible, domestic institutions, to expose students to meritorious research projects, and to strengthen the research environment of the applicant institution. <http://grants.nih.gov/grants/guide/pa-files/PA-13-313.html>

### **Development of Appropriate Pediatric Formulations and Pediatric Drug Delivery Systems (R01)**

**Funding Opportunity Number:** PAR-13-325

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

**Description:** This Funding Opportunity Announcement (FOA) encourages grant applications to address different and complementary research needs for the development and acceptability of pediatric drug formulations in different age

groups. Development and testing of novel pediatric drug delivery systems is also part of this initiative. <http://grants.nih.gov/grants/guide/pa-files/PA-13-325.html>

### **Development of Appropriate Pediatric Formulations and Pediatric Drug Delivery Systems (R21)**

**Funding Opportunity Number:** PAR-13-326

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

**Description:** This Funding Opportunity Announcement (FOA) encourages grant applications to address different and complementary research needs for the development and acceptability of pediatric drug formulations in different age groups. Development and testing of novel pediatric drug delivery systems is also part of this initiative.

<http://grants.nih.gov/grants/guide/pa-files/PA-13-326.html>

### **Neuroscience Research on Drug Abuse (R03)**

**Funding Opportunity:** PA-13-336

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

**Description:** Substance abuse results in widespread changes in brain structure and function, and research is needed to explain these changes and how they affect behavior. The goals of the research areas described in this Neuroscience of Drug Abuse FOA are to understand the neurobiological mechanisms underlying drug abuse and addiction, with special emphasis on changes that occur during chronic drug use, withdrawal and relapse. An understanding of the basic mechanisms underlying drug addiction can help to identify targets for prevention and treatment interventions. Research utilizing basic, translational, or clinical approaches is appropriate. <http://grants.nih.gov/grants/guide/pa-files/PA-13-336.html>

### **Neuroscience Research on Drug Abuse (R21)**

**Funding Opportunity:** PA-13-337

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

**Description:** Substance abuse results in widespread changes in brain structure and function, and research is needed to explain these changes and how they affect behavior. The goals of the research areas described in this Neuroscience of Drug Abuse FOA are to understand the neurobiological mechanisms underlying drug abuse and addiction, with special emphasis on changes that occur during chronic drug use, withdrawal and relapse. An understanding of the basic mechanisms underlying drug addiction can help to identify targets for prevention and treatment interventions. Research utilizing basic, translational, or clinical approaches is appropriate. <http://grants.nih.gov/grants/guide/pa-files/PA-13-337.html>

### **Neuroscience Research on Drug Abuse (R01)**

**Funding Opportunity:** PA-13-338

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

**Description:** Substance abuse results in widespread changes in brain structure and function, and research is needed to explain these changes and how they affect behavior. The goals of the research areas described in this Neuroscience of Drug Abuse FOA are to understand the neurobiological mechanisms underlying drug abuse and addiction, with special emphasis on changes that occur during chronic drug use, withdrawal and relapse. An understanding of the basic mechanisms underlying drug addiction can help to identify targets for prevention and treatment interventions. Research utilizing basic, translational, or clinical approaches is appropriate. <http://grants.nih.gov/grants/guide/pa-files/PA-13-338.html>

### **Mechanisms of Alcohol and Stimulant Co-Addiction (R01)**

**Funding Opportunity:** PA-13-339

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

**Description:** This FOA encourages R01 applications from institutions/organizations that propose to study the neurobiological and behavioral mechanisms that might explain how alcohol and stimulants interact at genetic, epigenetic, cellular, neurocircuitry and behavioral levels to promote co-addiction. <http://grants.nih.gov/grants/guide/pa-files/PA-13-339.html>

**Mechanisms of Alcohol and Stimulant Co-Addiction (R21)****Funding Opportunity:** PA-13-340**Application Receipt/Submission Date(s):** Multiple dates—see announcement

**Description:** This FOA encourages R21 applications from institutions/organizations that propose to study the neurobiological and behavioral mechanisms that might explain how alcohol and stimulants interact at genetic, epigenetic, cellular, neurocircuitry and behavioral levels to promote co-addiction. <http://grants.nih.gov/grants/guide/pa-files/PA-13-340.html>

**Bridges to the Doctorate (R25)****Funding Opportunity:** PAR-13-341**Application Receipt/Submission Date(s):** November 1, 2013\*; September 25, 2014; September 25, 2015

**Description:** This Funding Opportunity Announcement (FOA) encourages Research Education Grant (R25) applications from institutions that propose to enhance the pool of master's degree students from underrepresented backgrounds who are trained and available to participate in NIH-funded research. This initiative promotes partnerships/consortia between colleges or universities granting a terminal master's degree with institutions that offer the doctorate degree. The program expects that the joint efforts of doctorate degree-granting and master's degree-granting institutions will foster the development of a well-integrated institutional program that will provide students with the necessary academic preparation and skills to enable their transition and successful completion of the Ph.D. degree in biomedical and behavioral sciences. <http://grants.nih.gov/grants/guide/pa-files/PA-13-341.html>

\*Please note the November 1, 2013 deadline had an internal limited submission deadline of September 20, 2013.

**NeuroNEXT Clinical Trials (U01)****Funding Opportunity:** PAR-13-343**Application Receipt/Submission Date(s):** December 2, 2013; April 2, 2014; August 1, 2014; December 2, 2014; April 3, 2015; August 3, 2015; December 3, 2015

**Description:** This FOA encourages applications for exploratory clinical trials of investigational agents (drugs, biologics, surgical therapies or devices) that may contribute to the justification for and provide the data required for designing a future trial, for biomarker validation studies, or for proof of mechanism clinical studies. Diseases chosen for study should be based on the [NINDS' strategic plan and clinical research interests](#). Successful applicants will be given access to the NeuroNEXT infrastructure. Following peer review, NINDS will prioritize and order trials that are given access to the NeuroNEXT infrastructure. The NeuroNEXT Clinical Coordinating Center (CCC) will work with the successful applicant to efficiently implement the proposed study. The NeuroNEXT Data Coordinating Center (DCC) will provide statistical and data management support. The NeuroNEXT clinical sites will provide recruitment/retention support as well as on-site implementation of the clinical protocol. Applicants do not need to be part of the existing NeuroNEXT infrastructure. <http://grants.nih.gov/grants/guide/pa-files/PA-13-343.html>

**Development of Appropriate Pediatric Formulations and Drug Delivery Systems (R03)****Funding Opportunity Number:** PAR-13-344**Application Receipt/Submission Date(s):** Multiple dates—see announcement

**Description:** The purpose of this funding opportunity announcement (FOA) is to address different and complementary research needs for the development and acceptability of pediatric drug formulations in different age groups. This FOA also encourages the development of novel drug delivery systems in the pediatric population. Investigators are encouraged to explore approaches and concepts new to the area of pediatric formulation development, testing and use of newly developed techniques superior to the ones currently used in the field. <http://grants.nih.gov/grants/guide/pa-files/PA-13-344.html>

**NIH Support for Conferences and Scientific Meetings (Parent R13/U13)****Funding Opportunity Number:** PA-13-347**Application Receipt Date(s):** Multiple dates—see announcement

**Description:** The purpose of the NIH Research Conference Grant (R13) and NIH Research Conference Cooperative Agreement (U13) Programs is to support high quality conferences that are relevant to the public health and to the scientific mission of the participating Institutes and Centers.

<http://grants.nih.gov/grants/guide/pa-files/PA-13-347.html>

**NIDCR Small Grant Program for New Investigators (R03)****Funding Opportunity Number:** PAR-13-348**Application Receipt Date(s):** Multiple dates—see announcement

**Description:** This Funding Opportunity Announcement (FOA) encourages NIH Research Project Grants (R01) to test practical, sustainable, and cost efficient adaptations of efficacious strategies or approaches to prevent and treat diabetes and/or obesity. Research focused on the prevention or reversal of obesity, prevention of type-2 diabetes, improved care of type-1 and type-2 diabetes, or the prevention or delay of the complications of these conditions is encouraged. The approaches tested should have the potential for wide dissemination and implementation outside of an academic setting such as in routine clinical practice or communities at risk. <http://grants.nih.gov/grants/guide/pa-files/PA-13-348.html>

**Sustained Release of Antivirals for Treatment and Prevention of HIV (SRATP) (R01)****Funding Opportunity Number:** PAR-13-349**Application Receipt Date(s):** January 7, 2014; January 7, 2015; January 7, 2016

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage grant applications that address the long term goal and objective of developing sustained release strategies for HIV treatment or prevention. Applications may propose treatment or prevention products delivered using sustained release platforms (oral, injection, implant or direct delivery to HIV target mucosa) that will provide a minimum of one week (treatment) or one month (prevention) of efficacy/protection. <http://grants.nih.gov/grants/guide/pa-files/PA-13-349.html>

**Early Career Award in Chemistry of Drug Abuse and Addiction (ECHEM) (R21/R33)****Funding Opportunity Number:** PAR-13-350**Application Receipt Date(s):** Multiple dates—see announcement

**Description:** This Funding Opportunity Announcement (FOA) seeks to facilitate the entry of new-to-NIH investigators into basic chemistry research applied to drug abuse and addiction. <http://grants.nih.gov/grants/guide/pa-files/PA-13-350.html>

**NIGMS National Centers for Systems Biology (P50)****Funding Opportunity Number:** PAR-13-351**Letter of Intent Due Date:** 30 days prior to application due date**Application Receipt Date(s):** October 23, 2014

**Description:** The National Institute of General Medical Sciences (NIGMS) invites grant applications from institutions/organizations proposing to establish Centers of Excellence in Systems Biology. The goal of this initiative is to promote pioneering research, research training, and outreach programs focused on systems-level inquiries of biomedical phenomena within the NIGMS mission. The description of the NIGMS mission can be found at <http://www.nigms.nih.gov> <http://grants.nih.gov/grants/guide/pa-files/PA-13-351.html>

**Translational Research to Improve Diabetes and Obesity Outcomes (R01)****Funding Opportunity Number:** PA-13-352**National Institute of Diabetes and Digestive and Kidney Diseases****Application Receipt Date(s):** Multiple dates—see announcement

**Description:** This Funding Opportunity Announcement (FOA) encourages NIH Research Project Grants (R01) to test practical, sustainable, and cost efficient adaptations of efficacious strategies or approaches to prevent and treat diabetes and/or obesity. Research focused on the prevention or reversal of obesity, prevention of type-2 diabetes, improved care of type-1 and type-2 diabetes, or the prevention or delay of the complications of these conditions is encouraged. The approaches tested should have the potential for wide dissemination and implementation outside of an academic setting such as in routine clinical practice or communities at risk. <http://grants.nih.gov/grants/guide/pa-files/PA-13-352.html>

**Advancing the Science of Geriatric Palliative Care (R01)****Funding Opportunity Number:** PA-13-354**Application Receipt/Submission Date(s):** Multiple dates—see announcement

**Description:** This Funding Opportunity Announcement (FOA) encourages research grant applications focused on palliative care in geriatric populations. This FOA emphasizes studies in a variety of settings including ambulatory care, hospitals (and specific sites within hospitals including specialty wards, intensive care units and emergency departments), assisted living facilities, and short- and long-term care facilities; however, hospice and end-of-life settings are not



included within the scope of this FOA, as they are the subject of other NIH programs. Rather, this FOA highlights research on palliative care in settings and at time points earlier in geriatric patients' disease or disability trajectories. Types of studies may include observational, quasi-experimental, or interventional studies using primary data collection and/or secondary analyses. Leveraging on-going cohorts, intervention studies, networks, data and specimen repositories, and other existing resources and infrastructure are encouraged. <http://grants.nih.gov/grants/guide/pa-files/PA-13-354.html>

#### **Advancing the Science of Geriatric Palliative Care (R21)**

**Funding Opportunity Number:** PA-13-355

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

**Description:** This Funding Opportunity Announcement (FOA) encourages research grant applications focused on palliative care in geriatric populations. This FOA emphasizes studies in a variety of settings including ambulatory care, hospitals (and specific sites within hospitals including specialty wards, intensive care units and emergency departments), assisted living facilities, and short- and long-term care facilities; however, hospice and end-of-life settings are not included within the scope of this FOA, as they are the subject of other NIH programs. Rather, this FOA highlights research on palliative care in settings and at time points earlier in geriatric patients' disease or disability trajectories. Types of studies may include observational, quasi-experimental, or interventional studies using primary data collection and/or secondary analyses. Leveraging on-going cohorts, intervention studies, networks, data and specimen repositories, and other existing resources and infrastructure are encouraged. <http://grants.nih.gov/grants/guide/pa-files/PA-13-355.html>

#### **Advancing the Science of Geriatric Palliative Care (R03)**

**Funding Opportunity Number:** PA-13-356

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

**Description:** This Funding Opportunity Announcement (FOA) encourages research grant applications focused on palliative care in geriatric populations. This R03 announcement specifically encourages projects primarily aimed at collection of pilot data, demonstration of feasibility, development of new methodology, or other goals of limited scope requiring short-term support. This FOA emphasizes studies in a variety of settings including ambulatory care, hospitals (and specific sites within hospitals including specialty wards, intensive care units and emergency departments), assisted living facilities, and short- and long-term care facilities; however, hospice and end-of-life settings are not included within the scope of this FOA, as they are the subject of other NIH programs. Rather, this FOA highlights research on palliative care in settings and at time points earlier in geriatric patients' disease or disability trajectories. Types of studies may include observational, quasi-experimental, or pilot interventional studies using primary data collection and/or secondary analyses. Leveraging on-going cohorts, intervention studies, networks, data and specimen repositories, and other existing resources and infrastructure are encouraged. <http://grants.nih.gov/grants/guide/pa-files/PA-13-356.html>

#### **Pre-application: Opportunities for Collaborative Research at the NIH Clinical Center (X02)**

**Funding Opportunity Number:** PAR-13-357

**Application Receipt/Submission Date(s):** November 20, 2013, November 20, 2014

**Description:** The goal of this program is to support collaborative translational research projects aligned with NIH efforts to enhance the translation of basic biological discoveries into clinical applications that improve health. It encourages high quality science demonstrating the potential to result in understanding an important disease process or lead to new therapeutic interventions, diagnostics, or prevention strategies within the research interests and priorities of the participating NIH Institutes/Centers (ICs). Specifically, the program seeks to broaden and strengthen translational research collaborations between basic and clinical researchers both within and outside NIH to accelerate and enhance translational science by promoting partnerships between NIH intramural investigators (e.g., those conducting research within the labs and clinics of the NIH) and extramural investigators (e.g., those conducting research in labs outside the NIH), and by providing support for extramural investigators to take advantage of the unique research opportunities available at the NIH Clinical Center by conducting research projects in collaboration with NIH intramural investigators. In order to be eligible for this program, the application must include at least one intramural scientist as Program Director/Principal Investigator or collaborator, and at least some of the research must be conducted at the NIH Clinical Center. Through this collaboration, external researchers may gain access to the NIH Clinical Center and leverage the diverse Clinical Center resources, expertise, and infrastructure available to test promising laboratory- and animal-based discoveries with potential for advancing disease diagnosis, treatment and prevention. The special environment of the Clinical Center can support studies that may not be readily supported elsewhere. This FOA encourages X02 pre-applications for Opportunities for Collaborative Research at the NIH Clinical Center. The X02 pre-application is the

recommended (not required) first step in the application process for the companion FOA (PAR-13-358). Potential applicants should read both FOAs. Investigators whose X02 pre-applications are meritorious, can be supported by the resources of the NIH Clinical Center, and align with the research missions of the participating NIH ICs, will be notified of the opportunity to submit a U01 application under PAR-13-358. No awards will be made under this FOA.

<http://grants.nih.gov/grants/guide/pa-files/PAR-13-357.html>

#### **Opportunities for Collaborative Research at the NIH Clinical Center (U01)**

**Funding Opportunity Number:** PAR-13-358

**Application Receipt/Submission Date(s):** March 20, 2014, March 20, 2015

**Description:** The goal of this program is to support collaborative translational research projects aligned with NIH efforts to enhance the translation of basic biological discoveries into clinical applications that improve health. It encourages high quality science demonstrating the potential to result in understanding an important disease process or lead to new therapeutic interventions, diagnostics, or prevention strategies within the research interests and priorities of the participating NIH Institutes/Centers (ICs). Specifically, the program seeks to broaden and strengthen translational research collaborations between basic and clinical researchers both within and outside NIH to accelerate and enhance translational science by promoting partnerships between NIH intramural investigators (e.g., those conducting research within the labs and clinics of the NIH) and extramural investigators (e.g., those conducting research in labs outside the NIH), and by providing support for extramural investigators to take advantage of the unique research opportunities available at the NIH Clinical Center by conducting research projects in collaboration with NIH intramural investigators. In order to be eligible for this program, the application must include at least one intramural scientist as Program Director/Principal Investigator or collaborator, and at least some of the research must be conducted at the NIH Clinical Center. Through this collaboration, external researchers may gain access to the NIH Clinical Center and leverage the diverse Clinical Center resources, expertise, and infrastructure available to test promising laboratory- and animal-based discoveries with potential for advancing disease diagnosis, treatment and prevention. The special environment of the Clinical Center can support studies that may not be readily supported elsewhere. The companion FOA (PAR-13-357) encourages X02 pre-applications for Opportunities for Collaborative Research at the NIH Clinical Center. The X02 pre-application is the recommended (not required) first step in the application process for this FOA. Potential applicants should read both FOAs. Investigators whose X02 pre-applications are meritorious, can be supported by the resources of the NIH Clinical Center, and align with the research missions of the participating NIH ICs, will be notified of the opportunity to submit a U01 application to this FOA. <http://grants.nih.gov/grants/guide/pa-files/PAR-13-358.html>

#### **National Institute on Drug Abuse National Early Warning System (NEWS) Coordinating Center (U01)**

**Funding Opportunity Number:** RFA-DA-14-015

**Application Receipt Date(s):** December 3, 2013

**Description:** This Funding Opportunity Announcement (FOA) solicits applications for a single Coordinating Center to support novel data acquisition strategies, data harmonization, analysis and dissemination activities on emerging and current drug abuse trends across selected communities. The Coordinating Center will (1) establish and develop key community-level indicators for monitoring drug abuse trends and early identification of new synthetic drugs and emerging issues including establishing harmonization of indicators and of presentation and analysis of indicators across the selected communities; (2) identify and develop novel sources of data including data available via the internet and obtain relevant data from various sources; (3) conduct cross-site data analyses from the harmonized Coordinating Center data; (4) develop and execute a dissemination and publication plan of results and findings from the Coordinating Center data, including development and maintenance of a website for disseminating data and findings; (5) establish an Early Warning Network composed of local experts on drug abuse data from the selected communities, as well as NIDA-supported community-based researchers, to assist in the ongoing monitoring and interpretation of data and (6) provide operational, administrative and logistical support for the Coordinating Center data harmonization and dissemination initiative.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-14-015.html>

#### **Developmental Centers for Interdisciplinary Research in Benign Urology (P20)**

**Funding Opportunity Number:** RFA-DK-13-019

**Application Receipt Date(s):** November 18, 2013

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to seek applications for the Developmental Centers for Interdisciplinary Research in Benign Urology Program (P20). The intent of this Program is to build research teams composed of individuals with complementary expertise who propose to develop innovative resources



or new research projects that utilize integrative approaches addressing research questions relevant to benign urological diseases. Each Developmental Center is centered on a single Project and must contain an Administrative Core and an Educational Enrichment Program. As part of the larger efforts in the Division of Kidney, Urologic and Hematologic Diseases (DKUH) to expand and enhance the urology research community, the Developmental Centers Program will work in partnership with the George M. O'Brien Urology Cooperative Research Centers Program (U54) and the Multidisciplinary K12 Urologic Research (KURe) Career Development Program.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-019.html>

### **Harvesting the Neuroimaging Cornucopia for Pancreatic Islet Imaging Reagents for Diabetes Research (DP3)**

**Funding Opportunity Number:** RFA-DK-13-024

**Application Receipt Date(s):** February 20, 2014

**Description:** This Funding Opportunity Announcement (FOA) encourage DP3 applications from institutions/ organizations to allow researchers with access to major clinical nuclear molecular imaging facilities to screen their libraries of existing positron emission tomography (PET) or single photon emission computed tomography (SPECT) neuroimaging agents that are already approved for use in human subjects research in order to find tools to enhance in vivo study of the beta cells of the human pancreatic islet. Diabetes ensues with the loss or dysfunction of beta cells and the inability to monitor their mass is an enormous barrier to understanding the natural history of human diabetes or the course of disease in an individual patient. Because human pancreatic islet beta cells are distinct from those of rodent models of diabetes and yet have many of the neurotransmitter systems found in the human brain, screening of existing human neuroimaging agents directly in human subjects and human tissues may be a cost-efficient way to identify promising beta cell imaging agents. Archived PET/SPECT scans of human abdomen or dosimetry data may be useful to identify imaging agents that are retained in human pancreas. Excess neuroimaging agent made for a human brain study could be tested in human pancreas tissue slices and isolated human islets. An image of the abdominal region could be obtained from human subjects at the conclusion of their neuroimaging research protocol, in order to ascertain signal and therefore potential specific binding in the pancreas. Promising agents identified in any of these or similar screens would likely need to be further developed for imaging pancreatic islet cell mass, function, or disease state.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-024.html>

### **Disaster Mental Health Intervention Research Center (P60)**

**Funding Opportunity Number:** RFA-MH-14-090

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

**Description:** The National Institute of Mental Health (NIMH) announces a unique opportunity for investigators to utilize diverse but related infrastructure, technology, human, and material resources to plan and implement multiple research projects directed toward improving mental health response to disasters and other emergency events. This initiative seeks to leverage the existing disaster mental health response infrastructure and workforce to study the integration of evidence-based and promising interventions into current mental health response to disasters. A flexible funding mechanism will allow for pre-planning (in advance of large scale emergencies) between researchers and disaster response providers to develop rigorous intervention and services research studies. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-14-090.html>

### **Centers Without Walls for Collaborative Research in the Epilepsies: Sudden Unexpected Death in Epilepsy (SUDEP) (U01)**

**Funding Opportunity Number:** RFA-NS-14-004

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

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage linked cooperative agreement (U01) applications from multidisciplinary and multicenter PD(s)/PI(s) to accelerate the rate of progress in understanding the underlying mechanisms that contribute to sudden unexpected death in epilepsy (SUDEP), determine risk factors for SUDEP in individuals with epilepsy, and work toward intervention(s) that prevent SUDEP. Linked applications must include an administrative core, scientific projects and may include other cores as needed to serve the scientific projects. <http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-14-004.html>

**Adaptation of Scalable Technologies to Illuminate the Druggable Genome (U01)****Funding Opportunity Number:** RFA-RM-13-010**Application Receipt Date(s):** December 11, 2013

**Description:** The overarching goals of this Funding Opportunity Announcement (FOA) and the companion announcement (RFA-RM-13-011) are to foster the development of technologies and information management to facilitate the unveiling of the functions of the poorly characterized and/or un-annotated members in four protein classes of the Druggable Genome. This FOA calls for adaptation of an ensemble of scalable technology platforms to characterize functions of proteins as a large group at molecular and cellular levels in medium- to high-throughput fashion, rather than repeating the “one at a time” approach that might otherwise be undertaken. The objective is to establish transformative scalable technology platforms and streamlined experimental workflows incorporated with multiple robust assay and physiological perturbation protocols for large-scale functional studies of poorly characterized and/or un-annotated proteins encoded by the Druggable Genome. Applications are invited to adapt well-established scalable technologies as well as innovative scalable approaches to enable swift, cost-effective, and robust interrogation of molecular and cellular functions of proteins. Applications should address limitations and gaps of prior technologies/technology platforms as a benchmark against which the improvements or competitive advantages of the proposed ones are measured. These transformative technology platforms should provide sensitivity, selectivity, scalability, spatiotemporal resolution and reproducibility in analyses of protein functions in complex biological tissues, living organisms, or another physiologically relevant system. <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-010.html>

**Development of a Knowledge Management Center for Illuminating the Druggable Genome Title Here (U54)****Funding Opportunity Number:** RFA-RM-13-011**Application Receipt Date(s):** December 11, 2013

**Description:** This Funding Opportunity Announcement (FOA) is a part of the new NIH Common Fund program, “Illuminating the Druggable Genome” (IDG). The goal of this program is to increase the understanding of the properties and functions of poorly characterized and/or un-annotated proteins within four of the most commonly drug-targeted protein families. The IDG will include two components, the Knowledge Management Center (KMC, to be supported under this FOA) and the Technology Development Initiative (to be supported under a companion FOA, RFA-RM-13-010). Applications for KMC under this FOA must be focused on expanding the knowledge about (i.e., “illuminating”) four major families of the Druggable Genome (DG): G-protein-coupled receptors; nuclear receptors; ion channels; and kinases. The proposed KMC must be organized around two functional units: a Data Organizing Core (DOC) and a User Interface Portal (UIP). The DOC of the KMC will focus on accruing and abstracting primary data and information gathered from analysis of such data on the Druggable Genome through deployment of tools (possibly automatic) for data retrieval of any member of the aforementioned gene families, followed by human-driven curation. The UIP will focus on development of tools to interrogate and display the data obtained by the DOC and facilitate the public dissemination of the data. The KMC awardees will be expected to interact and collaborate with the future awardees of the IDG Technology Development initiative. <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-011.html>

**Defining A Comprehensive Reference Profile of Circulating Human Extracellular RNA (U01)****Funding Opportunity Number:** RFA-RM-13-014**Application Receipt Date(s):** November 22, 2013

**Description:** The purpose of this funding opportunity announcement (FOA) is to support projects that will generate reference profiles of both short and long non-coding regulatory extracellular RNAs (exRNA), including any environmentally-derived exRNA (e.g. from diet, microbiome), from a diversity of healthy human body fluids including blood, saliva, urine, breast milk, semen, amniotic fluid, cerebrospinal fluid, ascites and pleural effusions. Studies using existing human biospecimen collections are strongly encouraged. This FOA is only for studies related to human samples; animal or other non-human disease model studies are not responsive to this FOA. <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-014.html>

## United States Agency of International Development (USAID)

### Strengthening Local Capacity for Scientific Research and Knowledge Management in Health Sectors in Asia

**Funding Opportunity Number:** RFA- 486-13-000003

**Application Deadline:** **October 25, 2013 (4 pm Bangkok Time)**

**Description:** The primary purpose of the Program is to conduct and support strategic health-related research in the region and disseminate the findings for policy development and programming. While the Program's LWA mechanism will be broad enough to include any health-related research anywhere in the region, the initial Leader Award will focus specifically on HIV-related studies in the Mekong Region. Future Associate Awards and/or activities under the Leader Award, either from USAID/RDMA or from bilateral missions in the region will fall within the larger program description of the Leader Award. <http://www.grants.gov/web/grants/view-opportunity.html?oppId=241593>

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