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Helping faculty new to FIU achieve research success

By Alexandra Pecharich

The Division of Research (DoR) has the people, resources and knowledge to help faculty new to FIU achieve research success.

That was the message delivered by Vice President for Research Andrés Gil and staff at an informal gathering for incoming research faculty. The thirty recent FIU arrivals who attended—among the 156 new professors that joined the University for the 2014-15 academic year—included experts on cognitive deficiencies of children with ADHD, mosquito genetics, consumer behavior, transportation, and electrical engineering, among other areas.

Associate Vice President for Research Luis P. Salas explained the Division's mission in a nutshell: "Our job is customer service. Our job is to help you with whatever you can't solve."



The core objectives of DoR are to help with funding proposals, manage awards, ensure research integrity and facilitate tech transfer. DoR staff members can assist on the front end with making proposals as strong as possible, Gil said, particularly when researchers contact them early in the process. Once an award is made, the Division can help with administrative-type issues such as smoothing the hiring of personnel and the purchasing of equipment and supplies covered under a grant—acquisitions that individual University academic departments generally have limited knowledge about. The goal, he said, is to handle concerns that might otherwise distract faculty from the priority of conducting research.

Gil also addressed the value of collaboration and talked about eventually creating an online directory of research faculty to help facilitate such work. "The places that are most successful are the ones that do interdisciplinary research," he said. "It's really about team science." Noting that funders increasingly reward interdisciplinary projects, he added that his office is working to establish better and wider understanding about the work of FIU's

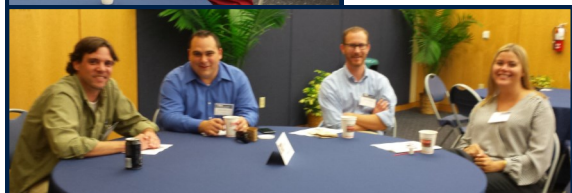


research centers and institutes, each of which offers the possibility of bringing together investigators in various departments and schools.

New hires were also introduced to the capabilities of FIU's recently established Integrated Biostatistics Center that provides support for investigators in the areas of data management and data-quality enhancement. And they learned about mentoring and other opportunities. DoR offers workshops for those new to the role of principal investigator—past topics have included how to develop a testable hypothesis and how to get funding from NIH—and Suzanna Rose, representing the university's Faculty Mentor Program, talked about pairing new faculty with veterans to help smooth the road to tenure. (More information about the latter can be found at mentor.fiu.edu.) Gil also introduced Maureen Pelham, Director of the Research Development Unit, which has the mission of assisting FIU faculty, research scientists, postdocs and students in their efforts to build strong and competitive programs for research, scholarship and creative activities. The Unit facilitates this effort by helping to identify funding opportunities for research projects, assisting with the development of proposals for external funding, and identifying and leveraging University resources to strengthen research programs and projects.

Nipesh Pradhananga, a new faculty member who specializes in using emerging technology to make construction sites safer for workers, appreciated the overview. "At least [now] I know how to start. It's like I have somebody to rely upon."

Melanie Stollstorff, a cognitive neuroscientist who recently completed a post-doctorate at the University of Colorado at Boulder, attended the research session as well as an earlier daylong introduction to the university at large. "I think the orientation process for new faculty has been excellent," she said. "Faces are actually starting to become familiar, and I feel like I am part of this research community. I feel very welcome."



Upcoming Events

September 2014

- **September 16, 17, and 18 (T, W, TH), 3:30-4:45pm, Faculty Mentor Program Orientation Workshops, AHC4 #402 (Sep. 16 & 17) and CEC, EC 3278 (Sep.18),** with a focus on how to benefit from being and having a mentor. This program is aimed primarily at providing tenure-earning assistant professors with a faculty mentor from outside of her/his home department. To the extent possible, we will attempt to provide a mentor or mentoring opportunities for Associate Professors and Instructors. This program serves these colleges: CAS, CEC, RSCPHSW and HWCOW. Faculty from other colleges interested in participating are also welcome to join. If interested, please contact us at mentor@fiu.edu or visit <http://mentor.fiu.edu> for the future RSVP link, updates, and information on new and past workshops.

October 2014

- **October 8, 12:00 to 1:30 pm,** Faculty Mentor Program Lunch at the Faculty Club.
- **October 9, 9 am to 5 pm,** MARC U*STAR & MBRS RISE Mini Symposium, MARC Pavilion. Specific details will be forthcoming for this event. For additional information, contact Courtney Aiken at coaike@fiu.edu or 305-348-2604.
- **October 14, 15, 16, and 21 (T, W, TH, T), 3-4:45pm, Best Practices for Hiring Faculty Workshop, (Oct. 14, 15, 16, AHC4 #402) and (Oct 21, Engineering Campus, EC 2300).** These interactive and conversational workshops for faculty serving on search committees are led by STRIDE members and will explore strategies for attracting an excellent and diverse faculty to FIU. The mandatory Office of Equal Opportunity training will occur from 3-3:30pm followed by the Best Practices workshop from 3:30-4:45pm. For more information on this event will be available at <http://advance.fiu.edu/>
- **October 23, 3:30 to 5pm, AHC4-402, Setting up your Research Team and Lab.** Specific details will be forthcoming for this workshop and available at <http://mentor.fiu.edu>

November 2014

- **November 4 and 5, 3:30-4:45pm, Tips for Tenure and Promotion.** Specific details will be forthcoming for this workshop and available at <http://mentor.fiu.edu>
- **November 14, 1-5pm, AHC2 170, NIH/NCBI Hands-on Human Genome Workshop: Human Variation and Disease Genes.** This workshop will focus on resources associated with human sequence variations and phenotypes and emphasizing the central role of the Gene database as the best way to access this data. You will start with the mouse *fig4* gene homolog and the human *APOE* gene as examples to navigate across the integrated databases to find phenotypes, literature, sequences (genome, mRNA and protein), and variations. You will learn how to map those variations onto genes, transcripts, proteins, and genomic regions. You will also gain experience using additional tools and viewers associated with Entrez. These include the Graphical Sequence Viewer, the Map Viewer, the Variation Viewer, Gene View in dbSNP, and the 1000 Genomes Browser. This event will be hosted by Jessica Liberles and Yuk-Ching Tse-Dinh as part of the Biomolecular Sciences Institute (BSI) Lecture Series. For more information available at <http://sish.fiu.edu/centers-institutes/biomolecular-sciences-institute/archived-lectures/>

Awards Received

During the month of **July 2014**, researchers were awarded \$3,427,480; below is a summary.

PI: Marianna Baum

DOR - DIVISION OF RESEARCH

Award Action Type: Initial

AWARDING SPONSOR: FIU Division of Research

TITLE: DORBRDG - 800005010

AWARD: \$ 69,124

PI: John P Berry

CHEMISTRY

Award Action Type: Initial

AWARDING SPONSOR: National Science Foundation

TITLE: US-Netherlands/Germany Collaborative Research: **AWARD:** \$ 7,500

PI: Jason R Chandler

ARCHITECTURE

Award Action Type: Initial

AWARDING SPONSOR: Villagers Incorporated

TITLE: Villagers Inc. Scholarships **AWARD:** \$ 6,000

PI: Francisco Alberto Fernandez Lima

CHEMISTRY

Award Action Type: Pre-Award

AWARDING SPONSOR: National Institutes of Health

TITLE: Mass Spectrometry based molecular imaging of native biological nanodomains **AWARD:** \$ 48,786

PI: James Fourqurean

BIOLOGY

Award Action Type: Pre-Award

AWARDING SPONSOR: University of Miami

TITLE: Aquarius Reef Base **AWARD:** \$ 244,678

PI: James Fourqurean

BIOLOGY

Award Action Type: Initial

AWARDING SPONSOR: URS GROUP INC

TITLE: URS Aquarius Mission **AWARD:** \$ 11,870

PI: F Javier Francisco Ortega

BIOLOGY

Award Action Type: Initial

AWARDING SPONSOR: Montgomery Botanical Center

TITLE: Phylogeography and Conservation Genetics of The Caribbean Zamia Clade: **AWARD:** \$ 26,349

PI: Daniel Gann

LIBRARY OPERATIONS

Award Action Type: Increase

AWARDING SPONSOR: U.S. Department of Agriculture

TITLE: Acquisition, Curation, Mapping and Submission of Accession Information **AWARD:** \$ 20,335

PI: Boyuan Guan

LIBRARY OPERATIONS

Award Action Type: Initial

AWARDING SPONSOR: Florida Department of Transportation

TITLE: Pedestrian Safety Analysis Tool - Phase 2 **AWARD:** \$ 69,970

PI: Mohammed A Hadi

CIVIL AND ENVIRON ENGINEERING

Award Action Type: Initial

AWARDING SPONSOR: Florida Department of Transportation

TITLE: Development of SW 8th Street Adaptive Signal Control Evaluation **AWARD:** \$ 20,397

PI: Haiyan Jiang
EARTH AND ENVIRONMENT
Award Action Type: Initial
AWARDING SPONSOR: NASA Goddard Space Flight Center
TITLE: Quantifying Asymmetries of Precipitation and Convection in Tropical Cyclones **AWARD:** \$ 30,000

PI: Leonel Lagos
ARC APPLIED RESEARCH CENTER
Award Action Type: Increase
AWARDING SPONSOR: Office of Environmental Management
TITLE: FIU's Research Support to the DOE OEM **AWARD:** \$ 704

PI: Angela Marie Richmond Laird
PHYSICS
Award Action Type: Initial
AWARDING SPONSOR: National Science Foundation
TITLE: Exploring the Neural Mechanisms of Physics Learning **AWARD:** \$ 17,580

PI: Jason Xiaowen Liu
COMPUTER INFO SCIENCES
Award Action Type: Initial
AWARDING SPONSOR: National Science Foundation
TITLE: EAGER: SwitchOn - Exploring and Strengthening US-Brazil Collaborations **AWARD:** \$ 82,800

PI: Jason Xiaowen Liu
COMPUTER INFO SCIENCES
Award Action Type: Initial
AWARDING SPONSOR: National Science Foundation
TITLE: EAGER: SwitchOn - Exploring and Strengthening US-Brazil Collaborations **AWARD:** \$ 117,200

PI: Juan Paulo Liuzzi
DIETETICS AND NUTRITION
Award Action Type: Continuation
AWARDING SPONSOR: Alcohol Abuse and Alcoholism
TITLE: Role of zinc in autophagy during ethanol exposure **AWARD:** \$ 70,325

PI: Purnima Madhivanan
EPIDEMIOLOGY
Award Action Type: Increase
AWARDING SPONSOR: University of California Berkeley
TITLE: Global Health Fellows and Scholars Research Training Program **AWARD:** \$ 82,694

PI: Fernando Miralles-Wilhelm
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: Everglades Foundation
TITLE: Modeling of Nutrient Exchange Program for the Everglades **AWARD:** \$ 20,000

PI: Joongho Moon
CHEMISTRY
Award Action Type: Increase
AWARDING SPONSOR: National Institutes of Health
TITLE: Multiphoton Probes for Biomedical Imaging **AWARD:** \$ 213,195

PI: Norman D Munroe
OSAS ENGINEERING AND COMPUTING
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Transportation
TITLE: National Summer Transportation Program **AWARD:** \$ 5,860

PI: Norman D Munroe
OSAS ENGINEERING AND COMPUTING
Award Action Type: Initial
AWARDING SPONSOR: Children's Trust
TITLE: ENLACE Miami **AWARD:** \$ 454,679

PI: Norman D Munroe
ENGINEERING DEANS OFFICE
Award Action Type: Initial
AWARDING SPONSOR: University of Central Florida
TITLE: 2013-2014 Hybrid Rocket **AWARD:** \$ 200

PI: Edward P Murray
METROPOLITAN CENTER
Award Action Type: Initial
AWARDING SPONSOR: Broward County
TITLE: 2014 Update - Broward County Housing Linkage Fee Nexus Study **AWARD:** \$ 68,000

PI: Winifred Elysse Newman
ARCHITECTURE
Award Action Type: Increase
AWARDING SPONSOR: FIU Foundation
TITLE: District 11 Strategic Development Plan **AWARD:** \$ 18,967

PI: Maria Olenick
NURSING FEP BBC
Award Action Type: Initial
AWARDING SPONSOR: U.S. Department of Veterans Affairs
TITLE: VA Nursing Academic Partnership Program (VANAP) **AWARD:** \$ 64,051

PI: Ebru Ozer
LANDSCAPE ARCHITECTURE
Award Action Type: Increase
AWARDING SPONSOR: Landscape Architecture Foundation
TITLE: Case Study Investigations for 1111 Lincoln Road, Nova Southeastern University, and Pompano Beach Dune Enhancement and Streetscape **AWARD:** \$ 2,300

PI: Mark Padilla
LATIN AMERICAN AND CARIB CTR
Award Action Type: Supplemental
AWARDING SPONSOR: National Institute on Drug Abuse
TITLE: Migration, Tourism and the HIV-drug use Syndemic in the Dominican Republic **AWARD:** \$ 400,159

PI: Deng Pan

COMPUTER INFO SCIENCES

Award Action Type: Increase

AWARDING SPONSOR: National Science Foundation

TITLE: CSR: Small: A Scalable and Efficient Framework for Switch Virtualization **AWARD:** \$ 16,000

PI: Jeremy W Pettit

CENTER FOR CHILDREN AND FAM

Award Action Type: Initial

AWARDING SPONSOR: National Institute of Mental Health

TITLE: Attention Bias Modification Training in Youth with Subthreshold Impairing Anxiety **AWARD:** \$ 195,257

PI: Jeremy W Pettit

CENTER FOR CHILDREN AND FAM

Award Action Type: Initial

AWARDING SPONSOR: American Psychological Foundation

TITLE: Pilot Randomized Controlled Trial of a Program to Reduce Perceived Burdensomeness in Adolescents **AWARD:** \$ 16,906

PI: Raju Rangaswami

COMPUTER INFO SCIENCES

Award Action Type: Increase

AWARDING SPONSOR: National Science Foundation

TITLE: CSR: Small: Non-blocking Writes **AWARD:** \$ 16,000

PI: Raphael Raptis

CHEMISTRY

Award Action Type: Initial

AWARDING SPONSOR: University of Puerto Rico

TITLE: Carbon Dioxide Storage and Sustained Delivery by Porous Pillar **AWARD:** \$ 111,142

PI: Raphael Raptis

CHEMISTRY

Award Action Type: Initial

AWARDING SPONSOR: University of Puerto Rico

TITLE: Carbon Dioxide Storage and Sustained Delivery by Porous Pillar **AWARD:** \$ 48,858

PI: Naphtali Rishe

COMPUTER INFO SCIENCES

Award Action Type: Increase

AWARDING SPONSOR: National Science Foundation

TITLE: I/UCRC Phase II: Center for Advanced Knowledge Enablement **AWARD:** \$ 10,000

PI: Douglas Lee Robertson

UNDERGRADUATE EDUCATION

Award Action Type: Initial

AWARDING SPONSOR: Association of Public & Land-Grant Univ

TITLE: University Transformation through Teaching (UT) **AWARD:** \$ 44,987

PI: Sofia Santiesteban
COLLEGE ACCESS
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Education
TITLE: South Florida CROP Consortium **AWARD:** \$ 48,532

PI: Sofia Santiesteban
COLLEGE ACCESS
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Agriculture and Co
TITLE: Summer Food Summer Program food services for UPWARD BOUND **AWARD:** \$ 9,215

PI: Sofia Santiesteban
COLLEGE ACCESS
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Agriculture and Co
TITLE: Summer Food Summer Program food services for CROP Summer program **AWARD:** \$ 5,168

PI: Arif Islam Sarwat
ELEC AND COMPUTER ENG
Award Action Type: Initial
AWARDING SPONSOR: Florida Power and Light
TITLE: Electric Power Reliability & Analytics Center (EPRAC) for High Penetration Distributed Renewable Resource Modern Grid System **AWARD:** \$ 356,000

PI: Leonard Scinto
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: National Park Service
TITLE: Provide office services and operational technical support to the South Florida Ecosystem Restoration Task Force, Office of the Executive Director **AWARD:** \$ 33,270

PI: Dionne Stephens
PSYCHOLOGY
Award Action Type: Increase
AWARDING SPONSOR: University of California Berkeley
TITLE: Global Health Fellows and Scholars Research Training Program Subproject **AWARD:** \$ 21,600

PI: Joel Trexler
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Continuation
AWARDING SPONSOR: National Park Service
TITLE: Freshwater fish monitoring in the Water Conservation Area 3 and Everglades National Park **AWARD:** \$ 211,074

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:** \$ 1,000

PI: Changwon Yoo**BIostatistics****Award Action Type:** Continuation**AWARDING SPONSOR:** National Institutes of Health**TITLE:** Identifying Key Genes that cause Aggressive Brain Cancer**AWARD:** \$ 108,750

Limited Submission Funding Opportunities

Below are limited submission opportunities with an internal deadline during the months of September, October and November 2014.

Agency	Program	Institutional Submission Limits	Internal Deadline	Agency Deadline
NIH	Post-baccalaureate Research Education Program (PREP) (R25)(PAR-14-076)	Only one application per institution is allowed.	9/15/2014	1/25/2015
NSF	Louis Stokes Alliances for Minority Participation (LSAMP) on Alliances--Bridge to Doctorate (NSF-12-564)	Limit one application per institution.	9/17/2014	10/17/2014
NSF	Theory Institute in Atomic, Molecular and Optical Physics (NSF 14-570)	Limit one application per institution.	10/08/2014	12/08/2014
NIH	Centers of Excellence for Research on CAM (P01) - AIDS Application (PAR-12-151)	Only one application per institution is allowed.	11/25/2014	AIDS Application: 01/07/2015

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 Commerce

2015 Ecological Effects of Sea Level Rise Program

Funding Opportunity Number: NOAA-NOS-NCCOS-2015-2004198

Application Deadline: 3 p.m., Eastern Time on November 18, 2014

Description: The overall goal of EESLR is to integrate dynamic physical and biological processes with sea level rise and coastal inundation to improve the prediction of coastal ecosystem effects to enable enhanced coastal resiliency. <https://www.grants.gov>

2015 Northern Gulf of Mexico Ecosystems and Hypoxia

Funding Opportunity Number: NOAA-NOS-NCCOS-2015-2004197

Application Deadline: 3 p.m., Eastern Time on November 18, 2014

Description: Research applications will propose pilot studies to test application of gliders to measure dissolved oxygen in the large hypoxic zone ("dead zone") along the northern Gulf of Mexico continental shelf and complete a comprehensive plan. <https://www.grants.gov>

Center for Sponsored Coastal Ocean Research, Fiscal Year 2015 National Competitive HAB Programs

Funding Opportunity Number: NOAA-NOS-NCCOS-2015-2004202

Pre-Application Deadline: 5:00 p.m. Eastern Time, on September 30, 2014

Application Deadline: 3 p.m., Eastern Time on December 15, 2014

Description: The purpose of this document is to advise the public that NOAA/NOS/NCCOS/CSCOR is soliciting proposals for the Ecology and Oceanography of Harmful Algal Blooms Program, the Monitoring and Event

Response for Harmful Algal Blooms Program and the Prevention, Control and Mitigation of Harmful Algal Blooms Program. <https://www.grants.gov>

Department of Defense

Broad Agency Announcement (BAA) for Research Initiatives at the Naval Postgraduate School

Funding Opportunity Number: NPS-BAA-14-004

Application Deadline: July 31, 2015

Description: This is an announcement to declare NPS's solicitation in competitive funding of meritorious research initiatives across a spectrum of science and engineering, business, politics and public/foreign policy, operational and information sciences, and interdisciplinary disciplines that are in line with the NPS' graduate education and research mission. <http://www.grants.gov/search-rants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Reconstructive Transplantation Research Award

Funding Opportunity Number: W81XWH-14-DMRDP-CRMRP-RTRA

Application Deadline: October 29, 2014

Description: The CRMRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of reconstructive transplantation (RT), specifically vascularized composite allotransplantation (VCA)-focused research, also known as composite tissue allotransplantation (CTA). Applications involving multidisciplinary collaborations among academia, industry, the military Services, the Department of Veterans Affairs (VA), and other Federal Government agencies are highly encouraged. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Computational Methods for Decision Making

Funding Opportunity Number: ONRBAA14-010

Application Deadline: October 9, 2014

Description: The purpose of this applied research topic is to identify, understand, and resolve key issues, develop and mature algorithms and methods; determine and demonstrate performance of algorithms, methods, techniques, and strategies for automated computational methods and information systems that support decision making. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Biological Robustness in Complex Settings (BRICS)

Funding Opportunity Number: DARPA-BAA-14-49

Application Deadline: February 16, 2015

Description: DARPA is soliciting innovative research proposals to develop the necessary fundamental understanding and component technologies to create robust engineered biological systems. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Night Vision Technologies

Funding Opportunity Number: W909MY-14-R-D010

Application Deadline: August 15, 2019

Description: This BAA solicits proposals against a broad range of night vision technologies which support the Warfighter and challenges of Asymmetric Warfare. The technologies have been divided into three (3) sections: Science and Technology; Ground Combat Systems; and Modeling and Simulation. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Department of Education

Disability and Rehabilitation Research Projects and Centers Program: Rehabilitation Engineering Research Centers (RERCs): Improving the Accessibility, Usability, and Performance of Technology for Individuals who are Deaf or Hard of Hearing

Funding Opportunity Number: ED-GRANTS-070914-002

Deadline for Transmittal of Applications: September 8, 2014

Description: The purpose of NIDRR's RERCs program, which is funded through the Disability and Rehabilitation Research Projects and Centers Program, is to improve the effectiveness of services authorized under the Rehabilitation Act. For more information, visit www.grants.gov and search by opportunity number.

OSERS/NIDRR: Disability and Rehabilitation Research Projects and Centers Program: Rehabilitation Research and Training Centers: Family Support**Funding Opportunity Number:** ED-GRANTS-070914-001**Deadline for Transmittal of Applications:** September 8, 2014

Description: The purpose of the RRTC's is to achieve the goals of, and improve the effectiveness of, services authorized under the Rehabilitation Act through well-designed research, training, technical assistance, and dissemination activities in important topical areas as specified by NIDRR. For more information, visit www.grants.gov and search by opportunity number.

OSERS: RSA: Capacity building Program for Traditionally Underserved Populations: Vocational Rehabilitation Training Institute for the Preparation of Personnel in American Indian Vocational Rehabilitation Services Projects**Funding Opportunity Number:** ED-GRANTS-081414-002**Deadline for Transmittal of Applications:** September 15, 2014

Description: The Capacity Building Program for Traditionally Underserved Populations provides outreach and technical assistance to minority entities and American Indian tribes to promote their participation in activities funded under the Rehabilitation Act, including assistance to enhance their capacity to carry out such activities. For more information, visit www.grants.gov and search by opportunity number.

Department of Justice

NIJ FY 14 Cost-Effective Aviation Technologies and Research to Support Counter-Poaching Operations Related to Endangered, Protected, and/or Regulated Wildlife**Funding Opportunity Number:** NIJ-2014-3946**Application Deadline:** October 22, 2014

Description: With this solicitation, NIJ seeks proposals from interested parties to: (1) identify and assess the highest priority technology needs of the Kenyan Wildlife Services (KWS) Air wing in furtherance of their counter-poaching mission; (2) purchase and deliver aircraft and supporting technologies as informed by the needs assessment; and (3) conduct an operational evaluation of the purchased and delivered aircraft and supporting technologies. [Link to solicitation announcement.](#)

NIJ FY 14 Research and Development for Publicly Funded Forensic Science Laboratories to Assess the Testing and Processing of Physical Evidence**Funding Opportunity Number:** NIJ-2014-3732**Application Deadline:** December 15, 2014

Description: With this solicitation, NIJ seeks proposals for research, evaluation, and validation projects that will: (1) inform the forensic community of best practices through the evaluation of existing laboratory protocols, (2) result in the production of a validated method(s) that may be replicated by other laboratories in the forensic community, and (3) have a direct and immediate impact on laboratory efficiency and assist in making laboratory policy decisions. [Link to solicitation announcement.](#)

Environmental Protection Agency

FY2015 BROWNFIELDS AREA-WIDE PLANNING GRANT**Funding Opportunity Number:** EPA-OSWER-OBLR-14-06**Application Deadline:** September 22, 2014

Description: This notice announces the availability of EPA grant funds and solicits proposals from eligible entities to conduct research, technical assistance, and/or training activities that will enable the entity to develop an area-wide plan for brownfields assessment, cleanup, and subsequent reuse. [FY2015 Brownfields Area-Wide Planning Grant](#)

Air Pollution Monitoring for Communities**Funding Opportunity Number:** EPA-G2014-STAR-K1**Application Deadline:** October 7, 2014

Description: The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research on empowering communities and individuals to take action to avoid air pollution exposure, using low-cost portable air pollution sensors. <http://www.epa.gov/ncer/rfa/2014/2014-star-air-pollution-monitoring.html>

Chesapeake Bay Program Office Fiscal Year 2014 Request for Proposals for Agriculture Technical Support for the Chesapeake Bay Program Partnership

Funding Opportunity Number: EPA-R3-CBP-14-05

Application Deadline: September 22, 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) non-federal partners with technical and programmatic support related to implementation of the agricultural components of the Chesapeake Bay watershed jurisdictions' watershed implementation plans (WIPs).

<http://www.epa.gov/region3/chesapeake/grants.htm>

Institute of Museum and Library Services

Laura Bush 21st Century Librarian Program

Funding Opportunity Number: LB21-FY15

Deadline for Transmittal of Applications: September 15, 2014

Description: The Laura Bush 21st Century Librarian Program supports projects to recruit and educate the next generation of librarians, faculty, and library leaders; and to support early career research. It also assists in the professional development of librarians and library staff. For more information, visit

<http://www.imls.gov/applicants/detail.aspx?GrantId=9>

Miami-Dade County Department of Cultural Affairs

Audience Access Grant Program

Funding Opportunity Number: N/A

Pre-Application Deadline: N/A

Application Deadline: Ongoing

Description: 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. <http://miamidadearts.culturegrants.org/navigation/links/page/audience-access-aud>

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

Funding Opportunity Number: N/A

Pre-Grant Submission Workshops (SAS-C Specific): September 9, 2014 – 2:00 PM September 18, 2014 – 10:00 AM – Click here to RSVP: <http://miamidadearts.culturegrants.org/navigation/links/page/summer-arts-science-camps-for-kids-sas-c>

Application Deadline: October 3, 2014 - 4:00 PM

Description: 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. <http://miamidadearts.culturegrants.org/navigation/links/page/summer-arts-science-camps-for-kids-sas-c>

Tourist Development Council Grant Program (TDC) – 2nd Quarter

Funding Opportunity Number: N/A

Pre-Grant Submission Workshops (TDC Specific): September 18, 2014, 2 PM - Click here to RSVP:

<https://docs.google.com/spreadsheets/viewform?formkey=dDIYNGhUNIJTdVJJeDdkSDdwQ1o0d1E6MQ#gid=0>

Grant System Basics Workshop: Visit CGO Miami Homepage for dates & times:

<http://miamidadearts.culturegrants.org/navigation/links/page/homepage>

Application Deadline: October 10, 2014, 4 PM

Description: Quarterly program which provides support to significant cultural and/or special events, including

sports activities and television/film origination projects that promote Miami-Dade County's appeal as a tourist destination. <http://miamidadearts.culturegrants.org/navigation/links/page/tourist-development-council-tdc>

National Aeronautics and Space Administration

Planetary Instrument Concepts for the Advancement of Solar System Observations

Funding Opportunity Number: NNH14ZDA001N-PICASSO

Pre-Application Deadline: September 15, 2014

Application Deadline: November 14, 2014

Description: The Planetary Instrument Concepts for the Advancement of Solar System Observations (PICASSO) Program supports the development of spacecraft-based instrument systems that show promise for use in future planetary missions. <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={2665EF4A-83ED-D793-9203-2D1E5FC03740}&path=open>

Habitable Worlds

Funding Opportunity Number: NNH14ZDA001N-HW

Pre-Application Deadline: November 24, 2014

Application Deadline: January 23, 2015

Description: The goal of the Habitable Worlds program is to use knowledge of the history of the Earth and the life upon it as a guide for determining the processes and conditions that create and maintain habitable environments and to search for ancient and contemporary habitable environments and explore the possibility of extant life beyond the Earth. <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={BBDC40FA-7697-F6C6-A148-75713DB49E80}&path=open>

National Institutes of Health

Enhancing Cross-National Research within the Health and Retirement Study Family of Studies (R01)

Funding Opportunity Number: RFA-AG-15-015

Application Deadline: November 7, 2014

Description: The purpose of this announcement is to enhance comparability among a specific group of measures in the US Health and Retirement Study and the family of comparable longitudinal aging studies around the world. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-015.html>

Immune and Inflammatory Mechanisms in Alzheimer's Disease (R01)

Funding Opportunity Number: RFA-AG-15-018

Application Deadline: January 29, 2015

Description: The goal of this FOA is to establish the role of the brain innate immune system, the systemic immune system, and the crosstalk and changes with age between the two in the development and progression of Alzheimer's disease. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-018.html>

Cancer Intervention and Surveillance Modeling Network (CISNET) (U01)

Funding Opportunity Number: RFA-CA-14-012

Application Deadline: November 14, 2014

Description: This FOA invites applications for collaborative research projects using simulation and other modeling techniques for specific cancer sites. <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-14-012.html>

NIDDK Clinician Scientist Mentoring Award to Promote Workforce Diversity (K05)

Funding Opportunity Number: RFA-DK-14-005

Application Deadline: November 24, 2014

Description: The purpose of the Clinician Scientist Mentoring Award to Promote Workforce Diversity is to provide support to mid-career health-professional doctorates or equivalent for protected time to devote effort to basic, epidemiological or outcomes research and to act as research mentors to early-stage investigators from diverse backgrounds underrepresented in biomedical and behavioral research. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-005.html>

Hazardous Materials Worker Health and Safety Training (U45)**Funding Opportunity Number:** RFA-ES-14-008**Application Deadline:** November 6, 2014

Description: This FOA issued by the National Institute of Environmental Health Sciences (NIEHS) invites applications for cooperative agreements to support the development of model programs for the training and education of workers engaged in activities related to hazardous materials and waste generation, removal, containment, transportation and emergency response. <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-14-008.html>

The NIGMS Human Genetic Cell Repository (U42)**Funding Opportunity Number:** RFA-GM-15-005**Application Deadline:** October 1, 2014

Description: The purpose of this FOA is to support the NIGMS Human Genetic Cell Repository. The repository will maintain the current collection of cell cultures and DNA samples and will acquire, characterize, and expand high-quality cell samples and distribute cell lines and DNA isolated from them to qualified biomedical researchers. <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-15-005.html>

Detect, Define and Measure the Progression of Chronic Traumatic Encephalopathy (U01)**Funding Opportunity Number:** RFA-NS-14-012**Application Deadline:** October 31, 2014

Description: The purpose of this initiative is to detect, characterize and measure the progression of neurodegeneration in individuals with a probable or possible diagnosis of chronic traumatic encephalopathy (CTE) using brain imaging and other biomarkers. <http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-14-012.html>

NINDS CREATE Devices: Translational and Clinical Studies on the Path to 510(k) (UH2/UH3)**Funding Opportunity Number:** PAR-14-295

Application Deadline: Application Due Dates: October 21, 2014; February 11, 2015; August 11, 2015; February 11, 2016; August 11, 2016; February 8, 2017, by 5:00 PM local time of applicant organization. AIDS Application Due Dates: January 7, 2015; May 7, 2015; September 7, 2015; May 7, 2016; September 7, 2016; and May 7, 2017, by 5:00 PM local time of applicant organization.

Description: The purpose of this FOA is to encourage applications to pursue translational and clinical studies for therapeutic devices to treat neurological disorders. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-295.html>

NINDS CREATE Devices: Translational and Clinical Studies to Inform Final Device Design (UH2/UH3)**Funding Opportunity Number:** PAR-14-297

Application Deadline: Application Due Dates: October 21, 2014; February 11, 2015; August 11, 2015; February 11, 2016; August 11, 2016; February 8, 2017 AIDS Application Due Dates: January 7, 2015; May 7, 2015; September 7, 2015; May 7, 2016; September 7, 2016; and May 7, 2017

Description: The purpose of this FOA is to encourage applications to pursue translational and clinical studies for therapeutic devices to treat neurological disorders. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-297.html>

NINDS CREATE Devices: Translational and Early Feasibility Studies on the Path to Pre-Market Approval (PMA) or Humanitarian Device Exemption (HDE) (UH2/UH3)**Funding Opportunity Number:** PAR-14-298

Application Deadline: Application Due Date(s): October 21, 2014; February 11, 2015; August 11, 2015; February 11, 2016; August 11, 2016; February 8, 2017 AIDS Application Due Date(s): January 7, 2015; May 7, 2015; September 7, 2015; May 7, 2016; September 7, 2016; and May 7, 2017

Description: The purpose of this FOA is to encourage applications to pursue translational and Early Feasibility Studies for therapeutic devices to treat neurological disorders. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-298.html>

NIDDK Central Repositories Non-renewable Sample Access (X01)**Funding Opportunity Number:** PAR-14-301**Application Deadline:** October 30, 2014; March 3, 2015; June 30, 2015; October 30, 2015; March 3, 2016; June

30, 2016; October 31, 2016; March 3, 2017; and June 30, 2017

Description: This FOA allows investigators to apply for access to non-renewable samples from one or more of these studies. Information about the samples available can be found at www.niddkrepository.org.
<http://grants.nih.gov/grants/guide/pa-files/PA-14-301.html>

Collaborative Partnership on Alcohol and Health Disparity Research Center (ADHRC) (U54)

Funding Opportunity Number: RFA-AA-15-003

Application Deadline: December 18, 2014

Description: This FOA invites U54 applications for the implementation of partnership awards between Institutions serving communities with Alcohol use related health disparities and other institutions with extensive alcohol research programs, including NIAAA-funded alcohol research centers and consortia. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AA-15-003.html#sthash.70bkWRDq.dpuf>

Nathan Shock Centers of Excellence in Basic Biology of Aging (P30)

Funding Opportunity Number: RFA-AG-15-005

Application Deadline: October 28, 2014

Description: The purpose of this FOA is to provide support for the Centers known as Nathan Shock Centers of Excellence in Basic Biology of Aging (NSC). These Center grants will provide funding for leadership, training and research activities that will increase the dissemination of scientific knowledge in the research areas supported by the Division of Aging Biology of the NIA <http://www.nia.nih.gov/research/dab>.
<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-005.html#sthash.9iUxmROi.dpuf>

Hubs of Interdisciplinary Research and Training in Global Environmental and Occupational Health (GEOHealth) Research Training (U2R)

Funding Opportunity Number: RFA-TW-14-002

Application Deadline: October 22, 2014

Description: This FOA solicits applications for research training activities in linked Hubs of Interdisciplinary Research and Training in Global Environmental and Occupational Health (GEOHealth). <http://grants.nih.gov/grants/guide/rfa-files/RFA-TW-14-002.html#sthash.fORV9oU9.dpuf>

Patient Safety in the Context of Perinatal, Neonatal, and Pediatric Care (R21)

Funding Opportunity Number: PA-14-311

Application Deadline: Multiple dates, see announcement.

Description: This FOA encourages a wide range of collaborative research projects related to patient safety in the context of perinatal, neonatal and pediatric care both in routine hospital settings and in the intensive care units. <http://grants.nih.gov/grants/guide/pa-files/PA-14-311.html#sthash.sfzpg33X.dpuf>

Patient Safety in the Context of Perinatal, Neonatal, and Pediatric Care (R01)

Funding Opportunity Number: PA-14-312

Application Deadline: Multiple dates, see announcement.

Description: This FOA encourages a wide range of collaborative research projects related to patient safety in the context of perinatal, neonatal and pediatric care both in routine hospital settings and in the intensive care units.. <http://grants.nih.gov/grants/guide/pa-files/PA-14-312.html#sthash.TiMbmfKS.dpuf>

Patient Safety in the Context of Perinatal, Neonatal, and Pediatric Care (R03)

Funding Opportunity Number: PA-14-313

Application Deadline: Multiple dates, see announcement.

Description: This FOA encourages a wide range of collaborative research projects related to patient safety in the context of perinatal, neonatal and pediatric care both in routine hospital settings and in the intensive care units. <http://grants.nih.gov/grants/guide/pa-files/PA-14-313.html#sthash.ZioEuLji.dpuf>

Obesity and Asthma: Awareness and Self- Management (R01)

Funding Opportunity Number: PA-14-316

Application Deadline: Multiple dates, see announcement.

Description: The purpose of this FOA is to stimulate research to examine the relationship between asthma, obesity and self-management. <http://grants.nih.gov/grants/guide/pa-files/PA-14-316.html#sthash.ZUBHZiUB.dpuf>

NIMH Mentoring Networks for Mental Health Research Education (R25)

Funding Opportunity Number: PAR-14-304

Application Deadline: September 25, 2014, May 25, 2016, May 25, 2016

Description: The over-arching goal of this NIMH R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. For a similar HIV/AIDS-related, NIMH research education program FOA, see [PAR-12-273](#) and subsequent issuances.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-304.html#sthash.dHSrUMpu.dpuf>

NIMH Short Courses for Mental Health-Related Research Education (R25)

Funding Opportunity Number: PAR-14-305

Application Deadline: September 25, 2014, May 25, 2015, May 25, 2016

Description: The over-arching goal of this NIMH R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. <http://grants.nih.gov/grants/guide/pa-files/PA-14-305.html#sthash.rMK6ouS3.dpuf>

NIMH Research Education Programs for Psychiatry Residents (R25)

Funding Opportunity Number: PAR-14-306

Application Deadline: September 25, 2014, May 25, 2015, May 25, 2016

Description: The goal of this NIMH R25 program is to support educational activities that help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences. <http://grants.nih.gov/grants/guide/pa-files/PA-14-306.html#sthash.mvuYttPM.dpuf>

Molecular and Cellular Substrates of Complex Brain Disorders (R01)

Funding Opportunity Number: PAR-14-309

Application Deadline: Multiple dates, see announcement.

Description: This FOA encourages research grant applications directed toward the discovery of the impact of alterations associated with complex brain disorders on the fundamental cellular and molecular substrates of neuronal function. <http://grants.nih.gov/grants/guide/pa-files/PA-14-309.html#sthash.rPTwuhmS.dpuf>

Molecular and Cellular Substrates of Complex Brain Disorders (R21)

Funding Opportunity Number: PAR-14-310

Application Deadline: Multiple dates, see announcement.

Description: This FOA uses the R21 mechanism to encourage new research activities directed toward the discovery of the impact of alterations associated with complex brain disorders on the fundamental cellular and molecular substrates of neuronal function. <http://grants.nih.gov/grants/guide/pa-files/PA-14-310.html#sthash.wb77eLNl.dpuf>

New Approaches to Synthetic Lethality for Mutant KRas-Dependent Cancers (U01)

Funding Opportunity Number: PAR-14-314

Application Deadline: November 10, 2014; July 8, 2015

Description: The purpose of this FOA is to encourage applications for projects to identify targets whose inhibition would induce synthetic lethality in cancers dependent on the expression of mutant KRas alleles.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-314.html#sthash.XAGrppQt.dpuf>

Grants for Early Medical/Surgical Specialists Transition to Aging Research (GEMSSTAR) (R03)

Funding Opportunity Number: RFA-AG-15-007

Application Deadline: October 28, 2014

Description: The goal of the GEMSSTAR FOA is to provide support for early-stage physician-scientists, trained in medical or surgical specialties, to launch careers as future leaders in research on aging or in geriatrics. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-007.html#sthash.hFvLsAs7.dpuf>

Research Planning Infrastructure to Develop Therapeutic Target-ID Strategies Based on Favorable Genetic Variants of Human Longevity or Health Span (U24)**Funding Opportunity Number:** RFA-AG-15-014**Application Deadline:** November 6, 2014**Description:** This FOA invites applications for a project for the development of a research planning infrastructure by a multidisciplinary collaborative team to develop target identification (ID) strategies based on effects of genetic factors reliably associated with increased human lifespan and/or health span.<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-014.html#sthash.602LNdq5.dpuf>**Type 1 Diabetes TrialNet Clinical Centers (U01)****Funding Opportunity Number:** RFA-DK-14-016**Application Deadline:** December 3, 2014**Description:** This FOA will provide infrastructure support for TrialNet Centers, allowing them to recruit treat, and follow subjects in TrialNet studies and trials. [http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-](http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-016.html#sthash.qpv6vVM8.dpuf)[016.html#sthash.qpv6vVM8.dpuf](http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-016.html#sthash.qpv6vVM8.dpuf)**Multi-Site Clinical Trials for the Pulmonary Trials Cooperative (PTC) (U01)****Funding Opportunity Number:** RFA-HL-15-015**Application Deadline:** October 20, 2014**Description:** This FOA requests U01 applications proposing a single, pragmatic clinical trial in adults with chronic pulmonary diseases. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-15-015.html#sthash.9or2hrYA.dpuf>**Network Management Core (NEMO) for the Pulmonary Trials Cooperative (PTC) (U01)****Funding Opportunity Number:** RFA-HL-15-016**Application Deadline:** October 20, 2014**Description:** This FOA requests applications for a cooperative agreement research grant (U01) to serve as the Network Management Core (NEMO) for a new type of clinical trials network: the Pulmonary Trials Cooperative (PTC). <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-15-016.html#sthash.Jp96agvN.dpuf>**Administrative Supplements for Tobacco Regulatory Research on the Role and Impact of Flavors in Cigarettes, Cigars, E-Cigarettes and Smokeless Tobacco (Admin Supp)****Funding Opportunity Number:** PA-14-320**Application Deadline:** Multiple dates, see announcement.**Description:** The purpose of this FOA is to generate data regarding the role and impact of flavors in cigarettes, cigars, e-cigarettes, and smokeless tobacco to inform FDA tobacco product regulatory actions.<http://grants.nih.gov/grants/guide/pa-files/PA-14-320.html#sthash.fxANFhli.dpuf>**Testing Interventions for Health-Enhancing Physical Activity (R01)****Funding Opportunity Number:** PAR-14-315**Application Deadline:** Application Due Dates: New applications: October 31, 2014; June 5, 2015; February 5, 2015; October 5, 2016; June 5, 2017. Resubmission applications: November 5, 2014; July 5, 2015; March 5, 2015; November 5, 2016; July 5, 2017. AIDS Application Due Dates: January 7, 2015, September 7, 2015, May 7, 2016, January 7, 2015, September 7, 2017**Description:** The purpose of this FOA is to fund highly innovative and promising research that tests multi-level intervention programs of 1 to 2 years in length that are designed to increase health-enhancing physical activity: 1) in persons or groups that can benefit from such activity; and 2) that could be made scalable and sustainable for broad use across the nation. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-315.html#sthash.W63ogCwK.dpuf>**Role of the Microbiome in HIV-1 Vaccine Responses (R01)****Funding Opportunity Number:** PAR-14-317**Application Deadline:** January 7, 2015; January 7, 2016; January 7, 2017, by 5:00 PM local time of applicant organization. **Description:** The purpose of this FOA is to stimulate research focused on elucidating the role of the microbiome in shaping the host immune responses to HIV-1 transmission and vaccination in the gastrointestinal

and genital mucosa. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-317.html#sthash.JV0i8Zr2.dpuf>

Role of the Microbiome in HIV-1 Vaccine Responses (R21)

Funding Opportunity Number: PAR-14-318

Application Deadline: January 7, 2015; January 7, 2016; January 7, 2017, by 5:00 PM local time of applicant organization. **Description:** The purpose of this FOA is to stimulate research focused on elucidating the role of the microbiome in shaping the host immune responses to HIV-1 transmission and vaccination in the gastrointestinal and genital mucosa. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-318.html#sthash.9jVWlvB7.dpuf>

Limited Competition: NIGMS National Centers for Systems Biology (P50)

Funding Opportunity Number: PAR-14-319

Application Deadline: October 23, 2014; October 23, 2015

Description: 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](#). <http://grants.nih.gov/grants/guide/pa-files/PAR-14-319.html#sthash.joVXWjd6.dpuf>

Developing Interventions for Health-Enhancing Physical Activity (R21/R33)

Funding Opportunity Number: PAR-14-321

Application Deadline: For new applications: November 4, 2014; June 16, 2015; February 16, 2016; October 16, 2016; June 16, 2017 For resubmission applications: November 16, 2014; July 16, 2015; March 16, 2016; November 16, 2016; July 16, 2017

Description: This FOA encourages applications for Phased Innovation (R21/R33) grant awards to support highly innovative research aimed at developing multi-level interventions that will increase health-enhancing physical activity: 1) in persons or groups who can benefit from such activity; and 2) that can be made scalable and sustainable for broad use across the nation. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-321.html#sthash.5Gs7uhPM.dpuf>

Understanding Factors in Infancy and Early Childhood (Birth to 24 months) That Influence Obesity Development (R01)

Funding Opportunity Number: PAR-14-323

Application Deadline: February 5, 2015; October 5, 2015; June 5, 2016; February 5, 2017

Description: This FOA invites Research Project Grant (R01) applications from institutions/organizations which propose to characterize or identify factors in early childhood (birth-24 months) that may increase or mitigate risk for obesity and/or excessive weight gain and/or to fill methodological research gaps relevant to the understanding of risk for development of obesity in children.

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-323.html#sthash.SecD8oGi.dpuf>

NICHD Consortium for Research on Pediatric Trauma and Injury Prevention (R24)

Funding Opportunity Number: PAR-14-324

Application Deadline: Multiple dates, see announcement.

Description: The purpose of this FOA is to encourage multidisciplinary collaborations to target gaps in research on pediatric trauma and injury prevention. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-324.html#sthash.HJsVbcY2.dpuf>

MD-PhD Training Program in Aging and the Social/Behavioral Sciences (T32)

Funding Opportunity Number: RFA-AG-15-012

Application Deadline: November 07, 2014

Description: This FOA invites applications from 1) institutions with NIA-funded grants in the social/behavioral sciences that are relevant to the research topics proposed under this FOA and 2) that have currently-active formal, combined MD-PhD training programs. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-012.html#sthash.WpyesfNj.dpuf>

Prevention of Lower Urinary Tract Symptoms in Women: Bladder Health Clinical Centers (PLUS-CCs) (U01)**Funding Opportunity Number:** RFA-DK-14-004**Application Deadline:** November 20, 2014**Description:** This FOA invites cooperative agreement research applications to establish a multi-center, multi-disciplinary consortium to be known as the Prevention of Lower Urinary tract Symptoms (PLUS) Research Consortium. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-004.html#sthash.sJzkQtZm.dpuf>**Prevention of Lower Urinary Tract Symptoms in Women: Bladder Health Scientific and Data Coordinating Center (PLUS-SDCC) (U01)****Funding Opportunity Number:** RFA-DK-14-018**Application Deadline:** November 20, 2014**Description:** This FOA invites cooperative agreement research applications to establish a multi-center, multi-disciplinary consortium to be known as the Prevention of Lower Urinary tract Symptoms (PLUS) Research Consortium. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-018.html#sthash.9A3466jI.dpuf>**Centers Without Walls for Collaborative Research in the Epilepsies: Developing Disease Modifying or Prevention Therapies (U54)****Funding Opportunity Number:** RFA-NS-15-001**Application Deadline:** November 6, 2014**Description:** The purpose of this FOA is to solicit applications for an Epilepsy Center without Walls (CWOW) focused on multidisciplinary, collaborative research to further the development of disease modifying or prevention therapies for epilepsy. <http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-15-001.html#sthash.eHNrNcJd.dpuf>**National Science Foundation****Documenting Endangered Languages****Funding Opportunity Number:** 11-554**Application Deadline:** September 15, 2014**Description:** This funding partnership between the National Science Foundation (NSF) and the National Endowment for the Humanities (NEH) supports projects to develop and advance knowledge concerning endangered human languages. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf11554**Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences****Funding Opportunity Number:** 13-570**Application Deadline:** September 15, 2014**Description:** The Division of Mathematical Sciences in the Directorate for Mathematical and Physical Sciences at the National Science Foundation and the National Institute of General Medical Sciences at the National Institutes of Health plan to support research in mathematics and statistics on questions in the biological and biomedical sciences. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf13570**Materials Engineering and Processing****Funding Opportunity Number:** PD-13-8092**Application Deadline:** September 15, 2014**Description:** The Materials Engineering and Processing (MEP) program supports fundamental research addressing the interrelationship of materials processing, structure, properties and/or life-cycle performance for targeted applications. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504950**Biomechanics and Mechanobiology****Funding Opportunity Number:** PD-14-7479**Application Deadline:** September 15, 2014**Description:** The BMMB Program supports fundamental research in biomechanics and mechanobiology. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13523

Systems Science**Funding Opportunity Number:** PD-12-8085**Application Deadline:** September 15, 2014**Description:** The System Science (SYS) program funds fundamental research on engineered systems that will support the creation of a mathematically sound framework for systems engineering.http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504788**Mechanics of Materials****Funding Opportunity Number:** PD-14-1630**Application Deadline:** September 15, 2014**Description:** The Mechanics of Materials program supports fundamental research on the behavior of solid materials and respective devices under external actions.http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13355**Design of Engineering Material Systems****Funding Opportunity Number:** PD-12-8086**Application Deadline:** September 15, 2014**Description:** The Design of Engineering Material Systems (DEMS) program supports fundamental research intended to lead to new paradigms of design, development, and insertion of advanced engineering material systems.http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504809**Manufacturing Enterprise Systems****Funding Opportunity Number:** PD-13-1786**Application Deadline:** September 15, 2014**Description:** The MES program supports research on design, planning, and control of operations in manufacturing enterprises. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13342**Service Enterprise Systems****Funding Opportunity Number:** PD-10-1787**Application Deadline:** September 15, 2014**Description:** The SES program supports research on strategic decision making, design, planning, and operation of commercial, nonprofit, and institutional service enterprises with the goal of improving their overall effectiveness and cost reduction. The program has a particular focus on healthcare and other similar public service institutions, and emphasizes research topics leading to more effective systems modeling and analysis as a means to improved planning, resource allocation, and policy development.http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13343**Hazard Mitigation and Structural Engineering****Funding Opportunity Number:** PD-13-1637**Application Deadline:** September 15, 2014**Description:** The Hazard Mitigation and Structural Engineering (HMSE) program supports fundamental research to mitigate impacts of natural and anthropogenic hazards on civil infrastructure and to advance the reliability, resiliency, and sustainability of buildings and other structures.http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13358**Civil Infrastructure Systems****Funding Opportunity Number:** PD-12-1631**Application Deadline:** September 15, 2014**Description:** The Civil Infrastructure Systems (CIS) program supports research leading to the engineering of infrastructure systems for resilience and sustainability without excluding other key performance issues.http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13352

Geotechnical Engineering**Funding Opportunity Number:** PD-12-1636**Application Deadline:** September 15, 2014**Description:** The GTE program supports fundamental research on geotechnical engineering aspects of civil infrastructure, such as site characterization, foundations, earth retaining systems, underground construction, excavations, tunneling, and drilling. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13351**Geomechanics & Geomaterials****Funding Opportunity Number:** PD-12-1634**Application Deadline:** September 15, 2014**Description:** The GEOMM program supports fundamental research on the mechanical and engineering properties of geologic materials including natural, mechanically stabilized, and biologically or chemically modified soil and rock. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13350**Infrastructure Management and Extreme Events****Funding Opportunity Number:** PD-10-1638**Application Deadline:** September 15, 2014**Description:** The IMEE program focuses on the impact of large-scale hazards on civil infrastructure and society and on related issues of preparedness, response, mitigation, and recovery.http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353**Operations Research****Funding Opportunity Number:** PD-10-5514**Application Deadline:** September 15, 2014**Description:** The OR program supports fundamental research leading to the creation of innovative mathematical models, analysis, and algorithms for optimal or near optimal decision-making, applicable to the design and operation of manufacturing, service, and other complex systems. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13341**Nanomanufacturing****Funding Opportunity Number:** PD-14-1788**Application Deadline:** September 15, 2014**Description:** The NSF Nanomanufacturing Program supports fundamental research in novel methods and techniques for batch and continuous processes, top-down (addition/subtraction) and bottom-up (directed self-assembly) processes leading to the formation of complex heterogeneous nanosystems. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13347**Manufacturing Machines and Equipment****Funding Opportunity Number:** PD-14-1468**Application Deadline:** September 15, 2014**Description:** The MME program supports fundamental research leading to improved manufacturing machines and equipment, and their application in manufacturing processes. REU/RET supplement requests should be submitted by March 31 each year. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13346**Engineering and Systems Design****Funding Opportunity Number:** PD-13-1464**Application Deadline:** September 15, 2014**Description:** The Engineering and Systems Design (ESD) program supports descriptive and normative research leading to a theory of engineering design and an understanding of systems engineering. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13340

Innovation Corps Teams Program**Funding Opportunity Number:** 12-602**Application Deadline:** September 15, 2014

Description: The NSF I-Corps Teams purpose is to identify NSF-funded researchers who will receive additional support - in the form of mentoring and funding - to accelerate innovation that can attract subsequent third-party funding. The purpose of the NSF I-Corps Teams grant is to give the project team access to resources to help determine the readiness to transition technology developed by previously-funded or currently-funded NSF projects. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12602

Sensors, Dynamics, and Control**Funding Opportunity Number:** PD-14-7569**Application Deadline:** September 15, 2014

Description: The Sensors, Dynamics, and Control (SDC) program supports fundamental research on the analysis, measurement, monitoring and control of complex dynamical and structural systems, including development of new analytical, computational and experimental tools, and novel applications to engineered and natural systems. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505099

Research in Engineering Education**Funding Opportunity Number:** PD-10-1340**Application Deadline:** September 18, 2014

Description: The Division of Engineering Education and Centers (EEC) seeks to enable a world-leading system of engineering education, equally open and available to all members of society, that dynamically and rapidly adapts to meet the changing needs of society and the nation's economy. Research areas of interest include, but are not limited to: Diversifying pathways to and through engineering degree programs. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503584

Focused Research Groups in the Mathematical Sciences**Funding Opportunity Number:** 12-566**Application Deadline:** September 19, 2014

Description: The purpose of the FRG activity is to allow groups of researchers to respond to recognized scientific needs of pressing importance, to take advantage of current scientific opportunities, or to prepare the ground for anticipated significant scientific developments in the mathematical sciences. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12566

Cooperative Studies of The Earth's Deep Interior**Funding Opportunity Number:** 11-548**Application Deadline:** September 22, 2014

Description: The Division of Earth Sciences invites the submission of proposals for collaborative, interdisciplinary studies of the Earth's interior within the framework of the community-based initiative known as Cooperative Studies of the Earth's Deep Interior (CSEDI). http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf11548

Science of Science and Innovation Policy Doctoral Dissertation Research Improvement Grants**Funding Opportunity Number:** 14-578**Application Deadline:** September 22, 2014

Description: The Science of Science & Innovation Policy (SciSIP) program supports research designed to advance the scientific basis of science and innovation policy. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14578

Computer and Information Science and Engineering (CISE) Research Initiation Initiative**Funding Opportunity Number:** 14-562**Application Deadline:** September 24, 2014

Description: With the goal of encouraging research independence immediately upon obtaining one's first academic position after receipt of the PhD, the Directorate for Computer and Information Science and Engineering (CISE) will award grants to initiate the course of one's independent research. Understanding the critical role of establishing that independence early in one's career, it is expected that funds will be used to support untenured faculty or research scientists (or equivalent) in their first two years in an academic position after the PhD. It is expected that these funds will allow the new CISE Research Initiation Initiative PI to support one or more graduate students for up to two years. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14562

Industry/University Cooperative Research Centers Program**Funding Opportunity Number:** 13-594**Application Deadline:** September 26, 2014

Description: The Industry/University Cooperative Research Centers (I/UCRC) program develops long-term partnerships among industry, academe, and government. An I/UCRC contributes to the nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf13594

EarthScope National Office**Funding Opportunity Number:** 14-553**Application Deadline:** September 26, 2014

Description: This solicitation calls for proposals to establish a community-based EarthScope National Office. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14553

USAID**The Innovation Fund for Improving Food Security in Ethiopia (IFSE)****Funding Opportunity Number:** APS-663-14-000003**Pre-Application Deadline:** September 15, 2014

Description: USAID would like to partner with the private sector, education and research institutions (and organizations working with them) towards improving food security in Ethiopia. There is a two-stage application process consisting of the submission of an initial concept paper and then, upon invitation by USAID/Ethiopia, the submission of a full application. The evaluation of the concept papers will be made after receipt of the first round of concept papers by September 15, 2014. USAID/Ethiopia will accept second round of concept papers if all those submitted at the first round are not acceptable. <http://www.grants.gov/web/grants/search-grants.html?keywords=APS-663-14-000003>

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