Summer 6-2016

June 2016 ORED Communicator

Office of Economic Research and Development, Florida International University

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FIU-Health Disparities Initiative (FIU-HDI)

Last month, FIU received a prestigious endowment award from the National Institute of Minority Health and Health Disparities (NIMHD) that will expand FIU’s capacity to address pressing health problems in vulnerable populations. Specifically, the $9.5 million grant will be used to create and support the Florida International University-Health Disparities Initiative (FIU-HDI), which will serve as the overarching infrastructure for community-based prevention, treatment, and outcome research focused on HIV, substance abuse, diabetes, obesity and other chronic illnesses that disproportionately impact African Americans, Hispanics, Haitians, and other underserved communities in South Florida and the Caribbean region.

NIMHD’s endowment will also enable specialized research education and training in minority health issues for FIU’s medical students. To maximize the potential impact of FIU-HDI, the project’s investigators will meet regularly with other minority health experts and community stakeholders to explore additional ways in which the project may contribute to the well-being of residents of South Florida and the Caribbean. The long-term goal of FIU-HDI is to conduct research and support education and training that improves minority health, reduces health disparities, and advances NIMHD’s vision of ensuring that all people have equal opportunities for long, healthy, productive lives.

To achieve this goal, the funds that NIMHD awarded to FIU-HDI will be invested to 1) increase the number of faculty conducting research in minority health and health disparities at FIU, 2) establish one of the nation’s most robust doctoral training program in health disparities research, and 3) increase the number of medical students who pursue research careers targeting the elimination of health disparities. Preliminary plans are to hire approximately three faculty members to be dedicated to a doctoral program.

The endowment grant award reflects NIMHD’s confidence in FIU’s commitment to minority health and recognition of the expertise of FIU’s research faculty. The remarkable success of FIU’s NIMHD-funded P20 Exploratory Center of Excellence grant: C-SALUD (P.I.: Mario De La Rosa, PhD) and other academic departments at the university engaged in minority-health related research and training, including the Health Promotion and Disease Prevention (Stempel), Medical and Population Health Sciences Research (HWCOM), Psychology (CASE), and Biomedical Engineering (CEC), laid the foundation for FIU-HDI. With the additional resources afforded by the NIMHD endowment grant, FIU is poised to contribute to major advancements in the elimination of health disparities by preparing the next generation of researchers, increasing the number of investigators, and disseminating research findings.
Upcoming Events

- **June 1, 1 to 2 pm, webinar**, *Toward Sea Level Rise Solutions in South Florida—Envisioning and Adaptation for the Future of the Natural Built Environment*, [https://connect.fiu.edu/lsfjune2016/](https://connect.fiu.edu/lsfjune2016/), please RSVP
- **June 4, 4 to 6 pm, The Wolfsonian-FIU**, *HavanA Mañana: Cuba in the American Imagination*, a lecture by Gustavo Perez Firmat
- **June 10, 6 to 8 pm, The Kampong, 8th International Color Conference*, sponsored by the Tropical Flowering Tree Society, [registration ($70) required](#)

Awards Received—April 2016

FIU researchers were awarded $4,905,903 in April 2016. Below is a listing of awards received.

**PI:** Priyanka Alluri  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of North Florida  
**TITLE:** Evaluation of Project Processes in Relation To Transportation  
**AWARD:** $125,000

**PI:** Priyanka Alluri  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Generation of 2011-2014 Input Data for SafetyAnalyst  
**AWARD:** $25,000

**PI:** Jose R Almirall  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institute of Standards & Techno  
**TITLE:** Analysis of Nicotine in the Breath of Smokers as a Surrogate  
**AWARD:** $14,786

**PI:** Lorraine Bahrick  
**PSYCHOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Child Health and Human Development  
**TITLE:** Intersensory Processing, Developmental Trajectories, and Longitudinal  
**AWARD:** $530,372

**PI:** Kevin Mershon Boswell  
**BIOLOGY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Nova Southeastern University  
**TITLE:** DEEPEND: Deep-Pelagic Nekton Dynamics of the Gulf of Mexico  
**AWARD:** $160,104

**PI:** Kevin Mershon Boswell  
**BIOLOGY**  
**Award Action Type:** Pre-Award  
**AWARDING SPONSOR:** University of Miami  
**TITLE:** Ecology of Forage Fishes in the Arctic Nearshore  
**AWARD:** $15,000

For updates, corrections, suggestions, and/or general comments, please email [Mercedes.rodriguez@fiu.edu](mailto:Mercedes.rodriguez@fiu.edu)
PI: Heather Bracken-Grissom  
**BIOLOGY**  
Award Action Type: Pre-Award  
AWARDING SPONSOR: Nova Southeastern University  
TITLE: DEEPEND: Deep-Pelagic Nekton Dynamics of the Gulf of Mexico  
AWARD: $40,874

PI: Heather Bracken-Grissom  
**BIOLOGY**  
Award Action Type: Increase  
AWARDING SPONSOR: Nova Southeastern University  
TITLE: DEEPEND: Deep-Pelagic Nekton Dynamics of the Gulf of Mexico  
AWARD: $163,497

PI: Heather Bracken-Grissom  
**BIOLOGY**  
Award Action Type: Initial  
AWARDING SPONSOR: Cave Research Foundation  
TITLE: Evolution in the underworld: Molecular insights from subterranean waters  
AWARD: $2,600

PI: Luther G Brewster  
**COM HUMANITIES HLTH AND SOC**  
Award Action Type: Initial  
AWARDING SPONSOR: South Florida Regional Planning Council  
TITLE: Healthy Happens Here Corner Store Conversions  
AWARD: $35,000

PI: Fabian Gonzalo Cevallos  
**CIVIL AND ENVIRON ENGINEERING**  
Award Action Type: Initial  
AWARDING SPONSOR: University of South Florida  
TITLE: Safe and Accessible Pedestrian Facilities Inventory Model (SAPFIM)  
AWARD: $94,274

PI: Michael Cheng  
**SCH OF HOSP AND TOURISM MGMT**  
Award Action Type: Initial  
AWARDING SPONSOR: U.S. Department of Agriculture  
TITLE: Cochran Fellowship Program Latin America and Caribbean  
AWARD: $30,000

PI: Jonathan S Comer  
**PSYCHOLOGY**  
Award Action Type: Initial  
AWARDING SPONSOR: Andrew Kukes Foundation Social Anxiety  
TITLE: Harnessing Technology to Extend the Reach of Supported Care for  
AWARD: $100,000

PI: Jose Miguel Cruz  
**LATIN AMERICAN AND CARIB CTR**  
Award Action Type: Initial  
AWARDING SPONSOR: U.S. Department of State  
TITLE: The new face of street gangs: The gang phenomenon in El Salvador  
AWARD: $174,895

PI: Ruogu Fang  
**COMPUTER INFO SCIENCES**  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation  
TITLE: CRII: SCH: Characterizing, Modeling and Evaluating Brain Dynamics  
AWARD: $174,991
**PI:** Rebecca Friedman  
**PROVOST AND EXEC VP ACAD AFF**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** European Commission  
**TITLE:** BILAT USA 4.0  
**AWARD:** $30,607

**PI:** Kenneth G Furton  
**PROVOST AND EXEC VP ACAD AFF**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Association of Public & Land-Grant Univ  
**TITLE:** University Transformation through Teaching (UT3) Phase II  
**AWARD:** $60,000

**PI:** Evelyn Gaiser  
**SEAS**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research  
**AWARD:** $29,000

**PI:** Cheng-Tin Gan  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** TransAction Associates Inc  
**TITLE:** 2016 Data Update and Maintenance for Rural INTDAS System  
**AWARD:** $20,812

**PI:** David B Garber  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Florida Slab Beam Bridge with Ultra-High Performance Concrete  
**AWARD:** $322,380

**PI:** Stavros Georgakopoulos  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** Highly Efficient Wireless Power Transfer and Data Transmission Methods  
**AWARD:** $200,000

**PI:** Paulo Graziano  
**PSYCHOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Children’s Trust  
**TITLE:** Comprehensive School Readiness Summer Treatment Program for Pre-K  
**AWARD:** $172,088

**PI:** Tomas R Guilarte  
**ROBERT STEMPEL CPHSW DEANS OFF**  
**Award Action Type:** Pre-Award  
**AWARDING SPONSOR:** Environmental Health Sciences  
**TITLE:** Molecular and Behavioral Effects of Low Level Manganese Exposure  
**AWARD:** $40,106

**PI:** Tomas R Guilarte  
**ROBERT STEMPEL CPHSW DEANS OFF**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Environmental Health Sciences  
**TITLE:** Pb Grant: NMDA Receptor Function in Lead Neurotoxicity  
**AWARD:** $40,600

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
PI: Pedro Pablo Hernandez
OFFICE OF RSCH AND ECO DEVELOP
Award Action Type: Initial
AWARDING SPONSOR: Oak Ridge Associated Universities
TITLE: SBIR/ STTR workshop
AWARD: $ 3,800

PI: Sundararaj Sitharama Iyengar
COMPUTER INFO SCIENCES
Award Action Type: Initial
AWARDING SPONSOR: Army Research Office
TITLE: STIR: Scientific Exploration of Cyber-Driven Dynamic, Distributed
Big Data Forensics Systems
AWARD: $ 49,984

PI: Ranu Jung
ENGINEERING DEANS OFFICE
Award Action Type: Increase
AWARDING SPONSOR: FIU Foundation
TITLE: Eminent Chair.
AWARD: $ 19,556

PI: Hilary C Landorf
ACAD PLAN AND ACCOUNTABILITY
Award Action Type: Initial
AWARDING SPONSOR: Comparative & International Education So
TITLE: Comparative and International Education Society Executive Directorship
AWARD: $ 10,308

PI: Christine Lisetti
COMPUTER INFO SCIENCES
Award Action Type: Increase
AWARDING SPONSOR: National Science Foundation
TITLE: CHS: Small: Advanced Design Principles for Computer Simulated Agents
AWARD: $ 16,000

PI: Mark A Marine
ARCHICT AND THE ARTS DEANS OFF
Award Action Type: Initial
AWARDING SPONSOR: City of Parkland
TITLE: Parkland Library Renovation + Addition
AWARD: $ 15,000

PI: Mark A Marine
ARCHICT AND THE ARTS DEANS OFF
Award Action Type: Initial
AWARDING SPONSOR: Miami-Dade Police Department
TITLE: Miami-Dade Police-Youth Community Dialogues
AWARD: $ 52,900

PI: Dana Lynn Mcmakin
PSYCHOLOGY
Award Action Type: Initial
AWARDING SPONSOR: Pediatric Specialists of America
TITLE: Dr. Dana McMakin's Clinical Work with Nicklaus Children's Hospital
AWARD: $ 22,500

PI: Dana Lynn Mcmakin
PSYCHOLOGY
Award Action Type: Pre-Award
AWARDING SPONSOR: National Institute of Mental Health
TITLE: Treatment Development Targeting Positive Affect Function
AWARD: $ 10,584

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PI: Alexander Mebel  
CHEMISTRY  
Award Action Type: Continuation  
AWARDING SPONSOR: University of Hawaii  
TITLE: A Combined Experimental and Theoretical Study on the  
AWARD: $ 60,000

PI: Osama A Mohammed  
ELEC AND COMPUTER ENG  
Award Action Type: Continuation  
AWARDING SPONSOR: Office of Naval Research  
TITLE: Physics-Based Modeling of Power Electronics Converters  
AWARD: $ 161,000

PI: Madhavan P Nair  
COM IMMUNOLOGY  
Award Action Type: Initial  
AWARDING SPONSOR: National Institutes of Health  
TITLE: Cocaine in the Neuropathogenesis of HIV infection: Role of HDAC-2  
AWARD: $ 364,122

PI: Roderick P Neumann  
GLOBAL AND SOCIOCULTURAL STU  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation  
TITLE: Doctoral Dissertation Research: The Cultural Politics of  
AWARD: $ 13,535

PI: Jeremy W Pettit  
PSYCHOLOGY  
Award Action Type: Continuation  
AWARDING SPONSOR: National Institutes of Health  
TITLE: Neural correlates of attention training in children with anxiety disorders  
AWARD: $ 33,836

PI: Misak Sargsian  
PHYSICS  
Award Action Type: Continuation  
AWARDING SPONSOR: U.S. Department of Energy  
TITLE: Theoretical Studies of High Energy Electron-Nuclear Processes  
AWARD: $ 92,000

PI: Margaret Sibley  
PSYCHIATRY AND BEHAVIOR HLTH  
Award Action Type: Continuation  
AWARDING SPONSOR: National Institute of Mental Health  
TITLE: Effectiveness of MI Enhanced Behavior Therapy for Adolescents with ADHD  
AWARD: $ 450,319

PI: Matthew T Sutherland  
PSYCHOLOGY  
Award Action Type: Continuation  
AWARDING SPONSOR: National Institutes of Health  
TITLE: Impact of HIV and cannabis on brain function: Regions, networks  
AWARD: $ 165,256

PI: Berrin Tansel  
CIVIL AND ENVIRON ENGINEERING  
Award Action Type: Initial  
AWARDING SPONSOR: University of Central Florida  
TITLE: KSC Technology Development and Commercialization Program  
AWARD: $ 25,000
**PI:** Tiffany Troxler  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Florida  
**TITLE:** Mechanisms of peat collapse in Everglades coastal ecosystems  
**AWARD:** $100,000

**PI:** Tiffany Troxler  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** Surface water-groundwater interactions in Everglades tree islands  
**AWARD:** $87,350

**PI:** Nikolaos Tsoukias  
**BIOMEDICAL ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Vermont  
**TITLE:** K+ sensing & electrical signaling by Kir channels in brain vasculature  
**AWARD:** $30,000

**PI:** Susan E Webster  
**OFFICE OF RSCH AND ECO DEVELOP**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** IREX  
**TITLE:** Young African Leaders Initiative (YALI)  
**AWARD:** $145,000

**PI:** Jonathan A Zawislak  
**EARTH AND ENVIRONMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** NASA Goddard Space Flight Center  
**TITLE:** The Relationship between Precipitation and Environmental Forcing  
**AWARD:** $87,226

**PI:** Yuying Zhang  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Florida  
**TITLE:** Impacts of stock spatial structure and connectivity  
**AWARD:** $16,797

**PI:** Ioannis Zisis  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Assessment of the performance of vehicular traffic signal assemblies  
**AWARD:** $271,845

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**Funding Opportunities**

The funding opportunities are in a separate excel file, which includes a filter for agency, date and opportunity number.
# Limited Submissions

<table>
<thead>
<tr>
<th>Agency</th>
<th>Program</th>
<th>Institutional Submission Limits</th>
<th>Internal Proposal Deadline</th>
<th>Agency Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEA</td>
<td>NEA Research Labs, FY 2016</td>
<td>Only one application per organization</td>
<td>6/8/2016</td>
<td>July 12, 2016</td>
</tr>
<tr>
<td>NSF</td>
<td>Physics Frontiers Centers (PFC) (NSF 16-561)</td>
<td>No more than two preliminary proposals may be submitted by any one institution.</td>
<td>6/10/2016</td>
<td>Agency LOI/Prelim Deadline: On or around 8/01/2016, Agency Proposal Deadline: 01/30/2017</td>
</tr>
<tr>
<td>NSF</td>
<td>Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories (FSML)</td>
<td>Only one application per facility per round of FSML competition</td>
<td>9/9/2016</td>
<td>December 9, 2016</td>
</tr>
<tr>
<td>NFVF</td>
<td>National Film and Video Foundation Fund (Marketing and Distribution)</td>
<td>Only one application per organization, individual or company will be considered during a particular financial year.</td>
<td>Open</td>
<td>The NFVF will receive proposals for film funding throughout the year.</td>
</tr>
<tr>
<td>NFVF</td>
<td>National Film and Video Foundation Fund (Production Funding)</td>
<td>Only one application per organization, individual or company will be considered during a particular financial year.</td>
<td>Open</td>
<td>The NFVF will receive proposals for film funding throughout the year.</td>
</tr>
<tr>
<td>NFVF</td>
<td>National Film and Video Foundation Fund (Development Funding)</td>
<td>Only one application per organization, individual or company will be considered during a particular financial year.</td>
<td>Open</td>
<td>The NFVF will receive proposals for film funding throughout the year.</td>
</tr>
<tr>
<td>NFVF</td>
<td>National Film and Video Foundation Fund (Education and Training)</td>
<td>Only one application per organization, individual or company will be considered during a particular financial year.</td>
<td>Open</td>
<td>The NFVF will receive proposals for film funding throughout the year.</td>
</tr>
</tbody>
</table>
## Contact ORED Senior Leadership

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
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</tbody>
</table>

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**OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT**

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