

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)

June 2016

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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

concentration in the social and cultural determinants of health. Additional resources from the endowment will be committed to enhance the minority health-related content of the curriculum at the Herbert Wertheim College of Medicine (HWCOM) and provide health disparities research training experiences for medical students. Graduating more doctoral and medical students interested in careers in minority health will broaden the pool of investigators and intensify research efforts to eliminate health disparities.



Principal Investigator Mario De La Rosa, Ph.D.

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.



National Institute  
on Minority Health  
and Health Disparities

## 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/lssfjune2016/>, 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, 8<sup>th</sup> 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 Bahrlick

**PSYCHOLOGY**

**Award Action Type:** Initial

**AWARDING SPONSOR:** Child Health and Human Development

**TITLE:** Intersensory Processing, Developmental Trajectories, and Logitudinal **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

**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

<b>PI:</b> Pedro Pablo Hernandez <b>OFFICE OF RSCH AND ECO DEVELOP</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Oak Ridge Associated Universities <b>TITLE:</b> SBIR/ STTR workshop	<b>AWARD: \$</b> 3,800
<b>PI:</b> Sundararaj Sitharama Iyengar <b>COMPUTER INFO SCIENCES</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Army Research Office <b>TITLE:</b> STIR: Scientific Exploration of Cyber-Driven Dynamic, Distributed Big Data Forensics Systems	<b>AWARD: \$</b> 49,984
<b>PI:</b> Ranu Jung <b>ENGINEERING DEANS OFFICE</b> <b>Award Action Type:</b> Increase <b>AWARDING SPONSOR:</b> FIU Foundation <b>TITLE:</b> Eminent Chair.	<b>AWARD: \$</b> 19,556
<b>PI:</b> Hilary C Landorf <b>ACAD PLAN AND ACCOUNTABILITY</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Comparative & International Education So <b>TITLE:</b> Comparative and International Education Society Executive Directorship	<b>AWARD: \$</b> 10,308
<b>PI:</b> Christine Lisetti <b>COMPUTER INFO SCIENCES</b> <b>Award Action Type:</b> Increase <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> CHS: Small: Advanced Design Principles for Computer Simulated Agents	<b>AWARD: \$</b> 16,000
<b>PI:</b> Mark A Marine <b>ARCHICT AND THE ARTS DEANS OFF</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> City of Parkland <b>TITLE:</b> Parkland Library Renovation + Addition	<b>AWARD: \$</b> 15,000
<b>PI:</b> Mark A Marine <b>ARCHICT AND THE ARTS DEANS OFF</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Miami-Dade Police Department <b>TITLE:</b> Miami-Dade Police-Youth Community Dialogues	<b>AWARD: \$</b> 52,900
<b>PI:</b> Dana Lynn McMakin <b>PSYCHOLOGY</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Pediatric Specialists of America <b>TITLE:</b> Dr. Dana McMakin's Clinical Work with Nicklaus Children's Hospital	<b>AWARD: \$</b> 22,500
<b>PI:</b> Dana Lynn McMakin <b>PSYCHOLOGY</b> <b>Award Action Type:</b> Pre-Award <b>AWARDING SPONSOR:</b> National Institute of Mental Health <b>TITLE:</b> Treatment Development Targeting Positive Affect Function	<b>AWARD: \$</b> 10,584

<b>PI:</b> Alexander Mebel <b>CHEMISTRY</b> <b>Award Action Type:</b> Continuation <b>AWARDING SPONSOR:</b> University of Hawaii <b>TITLE:</b> A Combined Experimental and Theoretical Study on the	<b>AWARD:</b> \$ 60,000
<b>PI:</b> Osama A Mohammed <b>ELEC AND COMPUTER ENG</b> <b>Award Action Type:</b> Continuation <b>AWARDING SPONSOR:</b> Office of Naval Research <b>TITLE:</b> Physics-Based Modeling of Power Electronics Converters	<b>AWARD:</b> \$ 161,000
<b>PI:</b> Madhavan P Nair <b>COM IMMUNOLOGY</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> National Institutes of Health <b>TITLE:</b> Cocaine in the Neuropathogenesis of HIV infection: Role of HDAC-2	<b>AWARD:</b> \$ 364,122
<b>PI:</b> Roderick P Neumann <b>GLOBAL AND SOCIOCULTURAL STU</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> Doctoral Dissertation Research: The Cultural Politics of	<b>AWARD:</b> \$ 13,535
<b>PI:</b> Jeremy W Pettit <b>PSYCHOLOGY</b> <b>Award Action Type:</b> Continuation <b>AWARDING SPONSOR:</b> National Institutes of Health <b>TITLE:</b> Neural correlates of attention training in children with anxiety disorders	<b>AWARD:</b> \$ 33,836
<b>PI:</b> Misak Sargsian <b>PHYSICS</b> <b>Award Action Type:</b> Continuation <b>AWARDING SPONSOR:</b> U.S. Department of Energy <b>TITLE:</b> Theoretical Studies of High Energy Electron-Nuclear Processes	<b>AWARD:</b> \$ 92,000
<b>PI:</b> Margaret Sibley <b>PSYCHIATRY AND BEHAVIOR HLTH</b> <b>Award Action Type:</b> Continuation <b>AWARDING SPONSOR:</b> National Institute of Mental Health <b>TITLE:</b> Effectiveness of MI Enhanced Behavior Therapy for Adolescents with ADHD	<b>AWARD:</b> \$ 450,319
<b>PI:</b> Matthew T Sutherland <b>PSYCHOLOGY</b> <b>Award Action Type:</b> Continuation <b>AWARDING SPONSOR:</b> National Institutes of Health <b>TITLE:</b> Impact of HIV and cannabis on brain function: Regions, networks	<b>AWARD:</b> \$ 165,256
<b>PI:</b> Berrin Tansel <b>CIVIL AND ENVIRON ENGINEERING</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> University of Central Florida <b>TITLE:</b> KSC Technology Development and Commercialization Program	<b>AWARD:</b> \$ 25,000

<b>PI:</b> Tiffany Troxler <b>SOUTHEAST ENV RESEARCH CTR</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> University of Florida <b>TITLE:</b> Mechanisms of peat collapse in Everglades coastal ecosystems	<b>AWARD:</b> \$ 100,000
<b>PI:</b> Tiffany Troxler <b>SOUTHEAST ENV RESEARCH CTR</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> South Florida Water Management District <b>TITLE:</b> Surface water-groundwater interactions in Everglades tree islands	<b>AWARD:</b> \$ 87,350
<b>PI:</b> Nikolaos Tsoukias <b>BIOMEDICAL ENGINEERING</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> University of Vermont <b>TITLE:</b> K+ sensing & electrical signaling by Kir channels in brain vasculature	<b>AWARD:</b> \$ 30,000
<b>PI:</b> Susan E Webster <b>OFFICE OF RSCH AND ECO DEVELOP</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> IREX <b>TITLE:</b> Young African Leaders Initiative (YALI)	<b>AWARD:</b> \$ 145,000
<b>PI:</b> Jonathan A Zawislak <b>EARTH AND ENVIRONMENT</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> NASA Goddard Space Flight Center <b>TITLE:</b> The Relationship between Precipitation and Environmental Forcing	<b>AWARD:</b> \$ 87,226
<b>PI:</b> Yuying Zhang <b>BIOLOGY</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> University of Florida <b>TITLE:</b> Impacts of stock spatial structure and connectivity	<b>AWARD:</b> \$ 16,797
<b>PI:</b> Ioannis Zisis <b>CIVIL AND ENVIRON ENGINEERING</b> <b>Award Action Type:</b> Initial <b>AWARDING SPONSOR:</b> Florida Department of Transportation <b>TITLE:</b> Assessment of the performance of vehicular traffic signal assemblies	<b>AWARD:</b> \$ 271,845

## *Funding Opportunities*

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



## Limited Submissions

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

## Contact ORED Senior Leadership

Name	Title	Email Address
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