

9-2018

## ORED Communicator - September 2018

Office of Research and Economic Development, Florida International University

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## Upcoming Events

### September

- ⇒ September 6, 8 to 10 am, FIU in DC #860, [\*Beyond Startups: How do we nurture and scale-up small local businesses?\*](#)
- ⇒ September 6, 8 am to 4 pm, FIU @ I-75, [Grant Writing-101: Basic Elements of Grant Writing](#), presented by [Catherine Raymond](#) (registration costs vary)
- ⇒ September 7, 8 am to 1 pm, MARC Pavilion, [FIU-RCMI Research Conference 2018: Promoting Health and Eliminating Health Disparities in Partnership with Hispanic and Latino Communities](#), free but [registration is required](#)
- ⇒ September 14, 10 am to 12 noon, WC 130, [FIU-RCMI Specific Aims Workshops](#), presented by [Wasim Maziak](#), please [RSVP](#) to [mward@fiu.edu](mailto:mward@fiu.edu)
- ⇒ September 17 and 18, 8:30 am to 6 pm, MARC Pavilion, [2018 Water and Environment Security Conference](#)—free but registration is required
- ⇒ September 20, 6 to 8 pm, Paul Cejas School of Architecture, [Robotics and Digital Fabrication Laboratory Inauguration](#)—free but registration is required
- ⇒ September 21, 9 to 10 am, EC 2300, [Temporal Pattern of Brain Stimulation as a New Dimension of Therapeutic Innovation](#), presented by [Warren M. Grill](#)
- ⇒ September 28, 9 to 10 am, EC 2300, [From Red Cells to Skiing, to a Jet Train that Travels at 700 km/hr. on a Giant Ski](#), presented by [Sheldon Weinbaum](#)

### October

- ⇒ October 3, 12 to 1 pm, AHC1 #110, [Helping your Child Handle Anxiety in School](#), presented by the Center for Children and Families
- ⇒ October 5, 9 to 10 am, EC 2300, [Enabling New Discoveries and Technologies by Combining Synthetic Biology with Biomedical Systems](#), presented by [Warren Ruder](#)
- ⇒ October 12, 12:30 to 1:30 pm, WC 130, [K-Award Panel](#), presented by [FIU RCMI](#)
- ⇒ October 19, 9 to 10 am, TBD, [Discovering the Physiological Optics of the Lens in Middle Earth](#), presented by [Bianca Maceo Heilman](#)
- ⇒ October 23 and 30, 9 am to 4 pm, FIU @ I-75, [Grant Writing 102: Certification Program](#), presented by [Catherine Raymond](#) (registration costs vary)
- ⇒ October 26, 9 to 10 am, EC 2300, [Clinical Translation of Imaging Systems and Contrast Agents for Image-Guided Surgery](#), presented by [John Frangioni](#)

### November

- ⇒ November 7, 12 to 1 pm, AHC1 #110, [A Guide to your Child's Developmental Milestones](#), presented by the Center for Children and Families
- ⇒ November 14, 12 to 1 pm, AHC1 #110, [How to Manage Holiday Gatherings with as little stress as Possible](#), presented by the Center for Children and Families
- ⇒ November 16, 2018, 9 to 10 am, EC 2300, [Endothelial-Interstitial Interactions During Aortic Valve Homeostasis and Calcific Degeneration](#), presented by [Jonathan Butcher](#)
- ⇒ November 30, 12:30 to 1:30 pm, AHC5 #300, [Participant Recruitment Strategies](#), presented by [FIU RCMI](#)

September 2018

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HAPPY  
LABOR  
★ DAY ★

## *Awards Received—July 2018*

FIU researchers were awarded \$6,397,096 in July 2018. Below is a listing of awards received.

### **Almirall, Jose**

College of Arts, Sciences & Education  
International Forensic Research Institute  
National Science Foundation  
Increase  
NSF - Supplement Dr. Almirall

\$21,700

### **Almirall, Jose**

College of Arts, Sciences & Education  
International Forensic Research Institute  
National Science Foundation  
Increase  
NSF - Supplement Dr. Almirall

\$16,000

### **Bagner, Daniel**

College of Arts, Sciences & Education  
Center for Children and Families  
Child Health and Human Development  
Continuation  
Internet Treatment for Behavior Problems in Preschoolers with Developmental Delay

\$512,702

### **Barratt, Diana M**

Herbert Wertheim College of Medicine  
Neuroscience  
American Academy of Neurology  
Initial  
Disclosure of medical errors and adverse events in stroke patients

\$10,000

### **Bastida, Elena Maria**

Robert Stempel College of Public Health and Social Work  
CRUSADA  
University of Miami  
Initial  
Yr2 -CLaRO's Community Engagement and Dissemination Core

\$127,876

### **Bhansali, Shekhar**

College of Engineering and Computing  
Electrical & Computer Engineering  
National Science Foundation  
Initial  
LSAMP BD: Florida International University FGLSAMP

\$19,000

### **Bhansali, Shekhar**

College of Engineering and Computing  
Electrical & Computer Engineering  
National Science Foundation  
Initial  
Participant Payments

\$1,056,000

**Bhansali, Shekhar**

College of Engineering and Computing  
 Electrical and Computer Engineering  
 National Science Foundation

Initial

PFI-TT: A Low-Cost Cortisol Sensor for Real-Time Stress Monitoring \$199,967

**Bhat, Mahadev**

College of Arts, Sciences & Education  
 Earth and Environment  
 National Institute of Food & Agriculture  
 Continuation

Innovative Curriculum for Agriculture Training and Career for Hispanics (iCATCH) \$500,000

**Boswell, Kevin**

College of Arts, Sciences & Education  
 Institute of Water and Environment  
 Bonefish & Tarpon Unlimited

Initial

Depredation mortality associated with catch-and-release angling \$40,000

**Brewster, Cheryl D**

Herbert Wertheim College of Medicine Student Affairs  
 U.S. Department of Health & Human Services  
 Continuation

Florida Science Training and Research (STAR) Fellowship \$363,583

**Briceno, Henry**

College of Arts, Sciences & Education  
 Southeast Environmental Research Center  
 Pennsylvania State University

Increase

Response of carbon cycling to climatic and anthropogenic perturbations \$67,585

**Burgman, Robert Joseph**

College of Arts, Sciences & Education  
 Southeast Environmental Research Center  
 National Oceanic and Atmospheric Administration

Initial

Sensitivity of NMME Seasonal Predictions to Ocean Eddy Resolving Coupled Models \$19,158

**Cevallos, Fabian**

College of Engineering and Computing  
 Civil and Environ Engineering  
 City of Doral

Increase

Doral Trolley Schedules Update \$2,683

**De La Rosa, Mario R**

Robert Stempel College of Public Health and Social Work  
 CRUSADA  
 University of Miami

Initial

Yr2 - Center for Latino Health Research Opportunities – ClaRO \$116,759

**De La Rosa, Mario R**

Robert Stempel College of Public Health and Social Work  
 CRUSADA  
 University of Miami  
 Initial  
 Yr2 -CLaRO's Investigator Development Core

\$10,817

**Devieux, Jessy**

Robert Stempel College of Public Health and Social Work  
 Health Promotion & Disease Prevention  
 University of Florida  
 Pre-Award  
 Effects of experimentally induced reductions in alcohol consumption on brain

\$33,138

**Evans, Jacqueline R**

College of Arts, Sciences & Education—Psychology  
 National Science Foundation  
 Initial  
 Doctoral Dissertation Research: Assessing the Strategic Use of Evidence

\$29,300

**Gan Chowdhury, Arindam**

College of Engineering and Computing  
 Civil and Environmental Engineering  
 National Science Foundation  
 Initial  
 Collaborative Research: A New Methodology Supported by Full Scale Calibration

\$217,747

**Hart, Katie**

College of Arts, Sciences & Education  
 Center for Children and Families  
 Children's Trust  
 Pre-Award  
 Reading Explorers Program

\$176,434

**Hollander, Gail M**

Steven J. Green School of International and Public Affairs  
 Global and Sociocultural Studies  
 National Science Foundation  
 Initial  
 Race, Space, and Botanical Imperialism

\$115,878

**Hutcheson, Joshua**

College of Engineering and Computing  
 Biomedical Engineering  
 American Heart Association  
 Increase  
 Tracing the Therapeutic Efficacy of Bisphosphonates in Bone and Vascular Mineralization

\$77,000

**Ibanez, Gladys E**

Robert Stempel College of Public Health and Social Work  
 Epidemiology  
 University of Florida  
 Continuation  
 Health outcomes and cognitive effects of marijuana use among persons living with HIV/AIDS

\$142,326

**Jayachandran, Krishnaswamy**

College of Arts, Sciences &amp; Education

Earth and Environment

National Institute of Food &amp; Agriculture

Continuation

Graduate Education in Agroecology and Natural Resource Sciences

\$250,000

**Jiang, Haiyan**

College of Arts, Sciences &amp; Education

Earth and Environment

National Oceanic and Atmospheric Admin

Increase

Estimation of Tropical Cyclone Intensity Using Satellite Passive Microwave Observations

\$100,174

**Kominoski, John**

College of Arts, Sciences &amp; Education

Southeast Environmental Research Center

National Park Service

Initial

Quantifying how variability in hydroperiod and fire mediate plant-soil biogeochemical

\$128,950

**Laird, Angela Marie Richmond**

College of Arts, Sciences &amp; Education

Physics

National Institute on Drug Abuse

Increase

Adolescent Brain Cognitive Development (ABCD): FIU

\$491,556

**Li, Hebin**

College of Arts, Sciences &amp; Education—Physics

National Science Foundation

Increase

Many-Body Dipole-Dipole Interactions in Atomic Ensembles

\$120,221

**Lin, Chengxian**

College of Engineering and Computing

Mechanical and Materials Engineering

Alfa Laval Inc.

Initial

Computational fluid dynamics (CFD) analysis of industrial heat exchangers

\$2,500

**Lothridge, Kevin**

Academic Affairs

National Forensic Science Technology Center

Spectral Engines

Initial

Heroin samples preparation and measurement

\$31,419

**Madhivanan, Purnima**

Robert Stempel College of Public Health and Social Work

Epidemiology

Social &amp; Scientific Systems Inc.

Initial

Clinical study of a single-use, point-of-care molecular diagnostic device for the detection

\$198,439

**Miguez, Maria Jose**

College of Arts, Sciences & Education—SISH  
Brown University  
Pre-Award

Alcohol and HIV: Bio-behavioral Interactions and Intervention- Year 4 \$13,375

**Mills, De Etta kay**

College of Arts, Sciences & Education  
International Forensic Research Institute  
National Science Foundation

Increase

NSF - Supplement Dr. Mills \$10,000

**Ortega, Francisco Javier**

College of Arts, Sciences & Education  
Biology

Montgomery Botanical Center

Increase

Phylogeography and Conservation Genetics of the Caribbean Zamia Clade \$28,072

**O'Shea, Kevin**

College of Arts, Sciences & Education  
Chemistry

National Science Foundation

Initial

Collaborative Research: Cyclodextrin-Based 2D Materials for the Treatment of \$149,852

**Prospect, Sean Antonio**

College of Arts, Sciences & Education  
School of Education

After-School All Stars

Continuation

Project SUPPORT (FIU After-School All-Stars) 2015-2016 \$12,668

**Rehage, Jennifer**

College of Arts, Sciences & Education  
Southeast Environmental Research Center  
South Florida Water Management District

Initial

Role of coastal lakes as fish habitat for recreational fisheries \$85,000

**Rojas, Patria**

Robert Stempel College of Public Health and Social Work  
CRUSADA

University of Miami

Initial

Yr2 -HoMBRES en Familia (Hispanic Men Building Respect, Education... \$288,909

**Russell, Valerie**

College of Arts, Sciences & Education  
Leadership and Prof Stu

U.S. Department of Education

Increase

Subproject to 800005813: Student Support No F&A \$114

**Spiegelhalter, Thomas**

College of Communication, Architecture + The Arts  
Architecture

National Science Foundation

Initial

Sustainable Urbanization Global Initiative, Food-Water-Energy Nexus \$3,663

**Tremante, Andres**

College of Engineering and Computing

Center for Diversity and Success

University of Texas at Austin

Initial

Collaborative Research: Engineering Identity, its Predictors, and its Impact on \$7,000

**Troxler, Tiffany Grace**

College of Arts, Sciences & Education

Sea Level Solutions Center

Everglades Foundation

Initial

Peat vulnerability assessments and with sea level rise \$30,000

**Vieira, Edgar Ramos**

Nicole Wertheim College of Nursing and Health Sciences

Physical Therapy

Urban Health Solutions

Initial

Miami-Dade Age-Friendly Mini Grant \$2,500

**Volakis, John**

College of Engineering and Computing

Electrical & Computer Engineering

Ohio State University

Continuation

Ultra-Wideband and Secure Multiuser Communication System with Reduced Hardware \$116,500

**Wagner, Eric**

Academic Affairs—Community-Based Research Institute

Minority Health and Health Disparities

Increase

Examining the syndemic of drug use and HIV among Latino MSM \$73,250

**Wen, Wujie**

College of Engineering and Computing

Electrical & Computer Engineering

National Science Foundation

Initial

EAGER: Invisible Shield: Can Compression Harden Deep Neural Networks \$250,000

**Willoughby, Hugh E**

College of Arts, Sciences & Education

Earth and Environment

National Science Foundation

Increase

Mechanisms for Hurricane Motion and Intensity Change \$127,281



## Funding Opportunities

ORED has a new, improved and interactive webpage for funding opportunities. Please visit <http://research.fiu.edu/funding/#current>.

## Limited Submissions

Current limited submission opportunities are available at <http://research.fiu.edu/funding/limited-submissions/>.

### Upcoming deadlines include:

AGENCY	PROGRAM	INSTITUTIONAL SUBMISSION LIMITS	INTERNAL DEADLINE	AGENCY DEADLINE
Blavatnik Family Foundation	<a href="#">Blavatnik Awards for Young Scientists</a>	Only three: one in each disciplinary category of Life Sciences, Physical Sciences & Engineering, or Chemistry	9/4/18 Please specify Disciplinary Category	Nomination Window: 9/26/2018 through 11/15/2018
Oak Ridge Associated Universities (ORAU)	<a href="#">ORAU Travel Grants</a>	Only two proposals per fiscal year. Contact Maureen Pelham ( <a href="mailto:mpelham@fiu.edu">mpelham@fiu.edu</a> ) for additional information before applying.	Open	Prelim deadline: Open Agency Deadline: 9/30
National Film and Video Foundation	<a href="#">National Film and Video Foundation Fund</a> (Marketing and Distribution)	Only one application per organization	Open	The NFVF will receive proposals for film funding throughout the year.
National Film and Video Foundation	<a href="#">National Film and Video Foundation Fund</a> (Production Funding)	Only one application per organization	Open	The NFVF will receive proposals for film funding throughout the year.
National Film and Video Foundation	<a href="#">National Film and Video Foundation Fund</a> (Development Funding)	Only one application per organization	Open	The NFVF will receive proposals for film funding throughout the year.
National Film and Video Foundation	<a href="#">National Film and Video Foundation Fund</a> (Education and Training)	Only one application per organization	Open	The NFVF will receive proposals for film funding throughout the year.

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