

5-2018

## ORED Communicator - May 2018

Office of Research and Economic Development, Florida International University

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## Upcoming Events

May 2018

Upcoming Events (cover)
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### May

- ⇒ **May 1, 7:30 to 10 am, Morton’s Steak House Coral Gables, [Byte-Size: Protecting your Business Against Cyber Attacks](#)**, free event but [registration required](#)
- ⇒ **May 1, 6 to 10:30 pm, SASC Auditorium #160, [StartUP FIU Pitch Day—Cohort 4](#)**, the event is free, but [registration is required](#)
- ⇒ **May 7, 9 am to 5 pm, Fairchild Botanical Garden, [FCE LTER Annual All Scientists Meeting](#)**
- ⇒ **May 8, 9 am to 5 pm, Fairchild Botanical Garden, [FCE LTER Annual All Scientists Meeting](#)**
- ⇒ **May 12, 9 am to 1 pm, MARC 3rd floor, [Cybersecurity: Blockchain and Emerging Technologies](#)**, [registration required](#)
- ⇒ **May 19, 9 am to 12:30 pm, GC Ballroom Lawn, [FIU Out of the Darkness Campus Walk](#)**
- ⇒ **May 25, 6 to 8 pm, Key Largo Murray E. Nelson Government & Cultural Center, [CCOR Ocean Life Seminar: Keeping Pace with Rising Seas: Saltwater Intrusion and Carbon Loss from Wetlands](#)**
- ⇒ **May 29, 12 to 1 pm, AHC4 #402, [lunch and Q&As on Skin, Aging and Mitochondria](#)**, presented by [Mark Birch-Machin](#)

**StartUP FIU** proudly invites you to its bi-annual **Pitch Day on May 1, 2018!** Please join us in witnessing this key milestone for our fourth Empower Accelerator cohort. The **Empower Accelerator Program** not only helps university faculty, staff and students, but also anyone from the community, to convert research and great ideas into scalable, viable businesses. By Pitch Day, our teams have vigorously completed the innovative 14-week Empower Accelerator program. Additionally, they participated in nearly 30 presentations and workshops, undertook critical mentoring and business advice and presented their required weekly deliverables in preparation for this pivotal day.



**Commencement**  
**April 28—May 2**

**StartUP FIU** is a university-wide initiative to foster and develop innovation and entrepreneurship that pursues opportunities in The Fourth Industrial Revolution. These opportunities include the development of breakthrough technologies, the pursuit of enterprises that close social or environmental gaps and the creation of companies that can create meaningful jobs of the future. One of its programs, the Empower Accelerator Program, is a 14-week accelerator program, consisting of a robust curriculum, critical mentoring and business advice, and weekly team deliverables. Each week of the program is based on a theme around which lectures and events are scheduled. Successful entrepreneurs from the Miami community provide mentorship to each team. Teams meet with their mentors on a weekly basis to discuss the strategies and skills needed to advance each team’s vision. Those who successfully complete the program are given the opportunity to pitch their startups to potential investors in week 14.

## *Awards Received—March 2018*

FIU researchers were awarded \$7,622,492 in March 2018. Below is a listing of awards received:

### **Alluri, Priyanka**

College of Engineering and Computing

Civil and Environ Engineering

U.S. Department of Transportation

Initial

Exploring the Modified Procurement Framework for Expediting Florida \$50,000

### **Anderson, Elizabeth**

College of Arts, Sciences & Education

Earth and Environment

Wildlife Conservation Society

Initial

Development of a Citizen Science Water Sensor Network in the Amazon \$125,000

### **Baum, Marianna**

Robert Stempel College of Public Health & Social Work

Dietetics and Nutrition

National Institute on Drug Abuse

Pre-Award

Cohort Studies of HIV/AIDS and Substance Abuse in Miami \$25,000

### **Baum, Marianna**

Robert Stempel College of Public Health & Social Work

Dietetics and Nutrition

National Institute on Drug Abuse

Pre-Award

OMICs to define impact of cocaine on immunity and HIV persistence in treated HIV infection \$14,000

### **Baum, Marianna**

Robert Stempel College of Public Health & Social Work

Dietetics and Nutrition

National Institute on Drug Abuse

Increase

OMICs to define impact of cocaine on immunity and HIV persistence in treated HIV infection \$14,735

### **Boswell, Kevin**

College of Arts, Sciences & Education

Biology

National Oceanic and Atmospheric Admin

Increase

Estimating the Absolute Abundance of Red Snapper in the U.S. Gulf of Mexico \$24,484

### **Boyd, Jeffrey Allen**

Herbert Wertheim College of Medicine

Human and Molecular Genetics

U.S. Department of Defense

Increase

Identifying Determinants of PARP Inhibitor Sensitivity in Ovarian Cancer \$17,217

**Crowl, Todd Alan**

College of Arts, Sciences &amp; Education

Institute of Water and Environment

National Science Foundation

Increase

Luquillo CZO: the role of hot spots and hot moments in tropical landscape evolution \$66,411

**Eirin Lopez, Jose**

College of Arts, Sciences &amp; Education

Biology

National Science Foundation

Initial

RAPID: COLLABORATIVE RESEARCH: Interaction between genotype \$102,022

**Fernandez Lima, Francisco Alberto**

College of Arts, Sciences &amp; Education

Chemistry

National Science Foundation

Increase

CAREER: Development of gas-phase, post-ionization structural tools \$50,000

**Fonseca, Brian**

Steven J. Green School of International &amp; Public Affairs

J Gordon Institute Public Policy &amp; Citizenship

National Institute of Standards &amp; Technology

Initial

National Initiative for Cybersecurity Education Annual Conference \$250,000

**Furton, Kenneth G**

Academic Affairs - Other Units

Provost and Exec VP Academic Affairs

Office of Naval Research

Increase

Exploring the Effects of the Generalization-Discrimination Balance and Odor \$40,000

**Gaiser, Evelyn E**

College of Arts, Sciences &amp; Education

SEAS

South Florida Water Management District

Increase

Periphyton and vegetation monitoring for the adaptive management of the Upper Taylor Slough \$90,985

**Gaiser, Evelyn E**

College of Arts, Sciences &amp; Education

SEAS

Everglades Foundation

Initial

FIU for Everglades Student Research Fund \$15,000

**Gan, Cheng-Tin**

College of Engineering and Computing

Civil and Environ Engineering

Federal Transit Administration

Initial

2018 Update and Maintenance for Rural iNTD System

\$36,519

**Garcia, Orlando J**

College of Communication, Architecture + The Arts

Music

Miami-Dade County Cultural Affairs

Initial

2018 New Music Miami Festival

\$2,428

**Gil, Andres G**

Academic Affairs - Other Units

ORED

National Institutes of Health

Increase

Florida International University-Health Disparities Initiative (FIU-HDI)

\$1,710,000

**Gonzalez, Veronica**

Academic Affairs - Other Units

Library Operations

Southeast Florida Library Information

Initial

Preserving and Creating Access to the Unique Sheet Music Collection of Libertad

\$3,000

**Guerette, Rob T**

Steven J. Green School of International &amp; Public Affairs

Criminal Justice

U.S. Department of Justice

Supplemental

SMART Policing

\$77,511

**Guilarte, Tomas R**

Robert Stempel College of Public Health &amp; Social Work

Dean's Office

Environmental Health Sciences

Initial

Cholinergic Neuron Degeneration in Manganese Neurotoxicity

\$329,625

**Hadi, Mohammed A**

College of Engineering and Computing

Civil and Environ Engineering

U.S. Department of Transportation

Initial

Connected Vehicle Vehicle-to-Infrastructure Support of Active Traffic Management

\$240,000

**Hadi, Mohammed A**

College of Engineering and Computing

Civil and Environ Engineering

U.S. Department of Transportation

Initial

FIU Professional Development &amp; Participation in Southeastern Transportation Research

\$21,913

**Harborne, Alastair**

College of Arts, Sciences &amp; Education

Biology

World Wildlife Fund

Initial

Community-based natural resource management: Indonesian case study

\$166,765

**Hiller, Nathan J**

College of Business Administration

Management and International Business

U.S. Secret Service

Increase

Leadership Framework for Secret Service

\$45,043

**Huang, Hui**

Robert Stempel College of Public Health &amp; Social Work

School of Social Work

Florida State University

Initial

A pilot test and initial validation of a quality rating scale for Florida's residential group homes

\$30,091

**Ibanez, Gladys E**

Robert Stempel College of Public Health &amp;

Social Work

Epidemiology

National Institute on Aging

Initial

The Acceptability and Feasibility of the iPad version of the NIH Neurocognitive Toolbox

\$17,392

**Ibarra, Julio E**

Academic Affairs - Other Units

CIARA

National Science Foundation

Continuation

IRNC: RXP: Atlantic Wave-SDX: a distributed intercontinental experimental SDX

\$110,010

**Ilcheva, Maria D**

Steven J. Green School of International &amp; Public Affairs

Metropolitan Center

Citizens Independent Transportation Trust

Initial

2017-18 Citizens Independent Transportation Trust (CITT) Transportation Summit

\$23,587

**Jiang, Haiyan**

College of Arts, Sciences & Education  
 Earth and Environment  
 NASA Goddard Space Flight Center  
 Increase

The Contribution of Different Precipitation Types to the Symmetric \$100,000

**Jiao, Shuliang**

College of Engineering and Computing  
 Biomedical Engineering  
 National Institutes of Health  
 Increase

Imaging the functional biomarker of photoreceptors \$419,487

**Kutateladze, Besiki Luka**

Steven J. Green School of International & Public Affairs  
 Criminal Justice  
 John D. and Catherine T. MacArthur Foundation  
 Increase

Advancing Prosecutorial Fairness and Effectiveness through Data and Innovation \$850,000

**Lagos, Leonel**

Academic Affairs - Applied Research Center  
 Office of Environmental Management  
 Increase

Evaluation of a Dexterous Robotic Manipulator for Semi-Autonomous Glove \$2,198

**Lau, Kingsley**

College of Engineering and Computing  
 Civil and Environ Engineering  
 U.S. Department of Transportation  
 Initial

Development of Standard Methodology to Measure Sulfate Ions in PT Grouts \$199,056

**Marine, Mark A**

College of Communication, Architecture + The Arts  
 CARTA Deans Off  
 City of North Miami Beach  
 Initial

City of North Miami Beach Snake Creek Canal Bridge Improvement \$25,000

**Montas-Hunter, Sonja S**

Academic Affairs - Other Units  
 Student Access and Success  
 College Board Florida Partnership  
 Initial

2018 College Access and Readiness Experiences for Success (CARES) \$10,000

**Montas-Hunter, Sonja S**

Academic Affairs - Other Units  
 Student Access and Success  
 U.S. Department of Education  
 Increase

TRIO Upward Bound 2017-2022 \$8,913

**Montas-Hunter, Sonja S**

Academic Affairs - Student Access and Success  
U.S. Department of Education  
Initial

EV3 Robotics 2017-2018 21st Century Community Learning Centers \$239,377

**Munroe, Norman D**

College of Engineering and Computing  
Mechanical and Mat Engineering  
National Action Council for Minorities  
Increase

NACME Initiative at Florida International University \$30,000

**Nair, Madhavan P**

Herbert Wertheim College of Medicine  
Immunology  
National Institutes of Health  
Continuation

Multifunctional Nanocarrier to Eradicate HIV from latently infected CNS \$326,250

**Nair, Madhavan P**

Herbert Wertheim College of Medicine  
Immunology  
Florida Department of Health  
Initial

Therapeutic role of Withaferin A and CRID3 in the prevention of AD \$224,643

**Palacios, Cristina**

Robert Stempel College of Public Health & Social Work  
Dietetics and Nutrition  
Robert Wood Johnson Foundation  
Initial

Transforming the Puerto Rico WIC Program to improve effectiveness \$62,500

**Papastamatiou, Yannis**

College of Arts, Sciences & Education—Biology  
Earthwatch Institute  
Increase

Shark and ray conservation in Belize \$22,119

**Pissinou, Niki J**

College of Engineering and Computing  
Computer Information Sciences  
National Science Foundation  
Initial

RET in Engineering and Computer Science SITE: Research Experience \$600,000

**Ramella Roman, Jessica**

College of Engineering and Computing  
Biomedical Engineering  
National Science Foundation  
Supplemental

NST ERC: PATHS-UP \$300,570



**Raymond, Andrea D**

Herbert Wertheim College of Medicine

Immunology

FIU Foundation

Initial

NanoString Technology to identify biomarkers of Zika Virus infection

\$30,000

**Rehage, Jennifer**

College of Arts, Sciences &amp; Education

Earth and Environment

U.S. Army Corps of Engineers

Increase

Role of Marsh-Mangrove Interface Habitats as Aquatic Refuges for Wetland Fishes

\$81,000

**Rishe, Naphtali**

College of Engineering and Computing

Computer Info Sciences

National Science Foundation

Increase

REU Supplement to 800001483

\$16,000

**Rogers, Jamie**

Academic Affairs-Other Units

Library Operations

National Science Foundation

Initial

Hampton House History Harvest

\$1,500

**Sousa, Jacqueline Bueno**

College of Business Administration

University of South Florida

Initial

SBDC Byte Size Program 2018

\$10,000

**Sousa, Jacqueline Bueno**

College of Business Administration

U.S. Small Business Administration

Increase

FL SBDC at FIU 2018

\$100,000

**Tansel, Berrin**

College of Engineering and Computing

Civil and Environ Engineering

Miami-Dade County Water and Sewer

Increase

Water Use Efficiency and Leak Detection

\$91,141

**Tsoukias, Nikolaos M**

College of Engineering and Computing

Biomedical Engineering

National Institutes of Health

Continuation

Capillary control of cerebral blood flow, and its disruption in small vessel disease

\$29,000

**Webster, Susan E**

Academic Affairs - Other Units  
 UGS University Graduate School  
 U.S. Department of State  
 Initial

Mandela Washington Fellowship 2018

\$145,000

## *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	DEADLINE FOR NOTICE OF INTENT TO APPLY	AGENCY DEADLINE
Health Resources & Services Administration	<a href="#">Health Careers Opportunity Program: The National HCOP Academies</a> HRSA-18-007	One proposal per institution	4/13/18	5/29/18
Florida Department of Transportation (FDOT)	<a href="#">Local technical Assistance Program</a> RFP-DOT-17/18-003	One proposal per institution	4/11/2018	5/15/2018
Oak Ridge Associated Universities (ORAU)	<a href="#">ORAU Travel Grants</a> : Faculty can request up to \$800 to facilitate travel to collaborate with researchers...	Only two proposals per FY. Contact Maureen Pelham ( <a href="mailto:mpelham@fiu.edu">mpelham@fiu.edu</a> ) for additional information	Open	9/30/2018

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