ORED Communicator - May 2018

Office of Research and Economic Development, Florida International University

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May 2018

Upcoming Events

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

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.

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

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Crowl, Todd Alan  
College of Arts, Sciences & 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 & Education  
Biology  
National Science Foundation  
Initial  
RAPID: COLLABORATIVE RESEARCH: Interaction between genotype  $102,022

Fernandez Lima, Francisco Alberto  
College of Arts, Sciences & 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 & Public Affairs  
J Gordon Institute Public Policy & Citizenship  
National Institute of Standards & 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 & 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 & 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 & Public Affairs  
Criminal Justice  
U.S. Department of Justice  
Supplemental  
SMART Policing $77,511

**Guilarte, Tomas R**  
Robert Stempel College of Public Health & 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 & Participation in Southeastern Transportation Research $21,913

Harborne, Alastair
College of Arts, Sciences & 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 & 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 & 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 & 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 & 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
**Funding Opportunities**

ORED has a new, improved and interactive webpage for funding opportunities. Please visit [http://research.fiu.edu/funding/#current](http://research.fiu.edu/funding/#current).

**Limited Submissions**

Current limited submission opportunities are available at [http://research.fiu.edu/funding/limited-submissions/](http://research.fiu.edu/funding/limited-submissions/).

**Upcoming deadlines include:**

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<thead>
<tr>
<th>AGENCY</th>
<th>PROGRAM</th>
<th>INSTITUTIONAL SUBMISSION LIMITS</th>
<th>DEADLINE FOR NOTICE OF INTENT TO APPLY</th>
<th>AGENCY DEADLINE</th>
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<tbody>
<tr>
<td>Florida Department of Transportation (FDOT)</td>
<td>Local technical Assistance Program RFP-DOT-17/18-003</td>
<td>One proposal per institution</td>
<td>4/11/2018</td>
<td>5/15/2018</td>
</tr>
<tr>
<td>Oak Ridge Associated Universities (ORAU)</td>
<td>ORAU Travel Grants: Faculty can request up to $800 to facilitate travel to collaborate with researchers...</td>
<td>Only two proposals per FY. Contact Maureen Pelham (<a href="mailto:mpelham@fiu.edu">mpelham@fiu.edu</a>) for additional information</td>
<td>Open</td>
<td>9/30/2018</td>
</tr>
</tbody>
</table>
Contact ORED Senior Leadership

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrés G. Gil</td>
<td>Vice President for Research &amp; Economic Development</td>
<td><a href="mailto:Andres.gil@fiu.edu">Andres.gil@fiu.edu</a></td>
</tr>
<tr>
<td>Tonja Moore</td>
<td>Associate Vice President, Strategic Planning &amp; Operations</td>
<td><a href="mailto:Tonja.moore@fiu.edu">Tonja.moore@fiu.edu</a></td>
</tr>
<tr>
<td>Luis P. Salas</td>
<td>Associate Vice President, International Research, Space Optimization and Compliance</td>
<td><a href="mailto:Luis.salas@fiu.edu">Luis.salas@fiu.edu</a></td>
</tr>
<tr>
<td>Mirtha Alberto</td>
<td>Director, Budget &amp; Cost Analysis</td>
<td><a href="mailto:Mirtha.alberto@fiu.edu">Mirtha.alberto@fiu.edu</a></td>
</tr>
<tr>
<td>Henry Artigues</td>
<td>Director, External Partnerships &amp; Economic Development</td>
<td><a href="mailto:Henry.artigues@fiu.edu">Henry.artigues@fiu.edu</a></td>
</tr>
<tr>
<td>David Driesbach</td>
<td>Assistant Vice President, Research Information Systems</td>
<td><a href="mailto:David.driesbach1@fiu.edu">David.driesbach1@fiu.edu</a></td>
</tr>
<tr>
<td>Christopher Grayson</td>
<td>Director, Research Integrity</td>
<td><a href="mailto:Christopher.grayson@fiu.edu">Christopher.grayson@fiu.edu</a></td>
</tr>
<tr>
<td>Emily Gresham</td>
<td>Assistant Vice President, Innovation &amp; Economic Development</td>
<td><a href="mailto:Emily.gresham@fiu.edu">Emily.gresham@fiu.edu</a></td>
</tr>
<tr>
<td>Robert Gutierrez</td>
<td>Assistant Vice President, Research Development &amp; Pre-Award</td>
<td><a href="mailto:Robert.gutierrez@fiu.edu">Robert.gutierrez@fiu.edu</a></td>
</tr>
<tr>
<td>Pedro Hernández</td>
<td>Director, Technology Management &amp; Commercialization</td>
<td><a href="mailto:Pedro.hernandez7@fiu.edu">Pedro.hernandez7@fiu.edu</a></td>
</tr>
<tr>
<td>Regnier Jurado</td>
<td>Director, Research Management Solutions</td>
<td><a href="mailto:Regnier.jurado@fiu.edu">Regnier.jurado@fiu.edu</a></td>
</tr>
<tr>
<td>Donna Kiley</td>
<td>Director, Post-Award</td>
<td><a href="mailto:Donna.kiley@fiu.edu">Donna.kiley@fiu.edu</a></td>
</tr>
<tr>
<td>Maureen Pelham</td>
<td>Director, Research Development</td>
<td><a href="mailto:Maureen.pelham@fiu.edu">Maureen.pelham@fiu.edu</a></td>
</tr>
<tr>
<td>Horatiu Vinerean</td>
<td>Director, Laboratory Animal Research; Attending Veterinarian</td>
<td><a href="mailto:Horatiu.vinerean@fiu.edu">Horatiu.vinerean@fiu.edu</a></td>
</tr>
<tr>
<td>Susan Webster</td>
<td>Assistant Vice President for Research</td>
<td><a href="mailto:Susan.webster@fiu.edu">Susan.webster@fiu.edu</a></td>
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</table>

Office of Research and Economic Development
11200 SW 8th Street—MARC 430
Miami, FL 33199
http://research.fiu.edu

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu