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-RIMI 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-RIMI Specific Aims Workshops, presented by Wasim Maziak, please RSVP to 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 Skiiing, 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
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

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
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 & Education
Earth and Environment
National Institute of Food & Agriculture
Continuation
Graduate Education in Agroecology and Natural Resource Sciences $250,000

Jiang, Haiyan
College of Arts, Sciences & 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 & 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 & Education
Physics
National Institute on Drug Abuse
Increase
Adolescent Brain Cognitive Development (ABCD): FIU $491,556

Li, Hebin
College of Arts, Sciences & 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 & 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](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:

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>PROGRAM</th>
<th>INSTITUTIONAL SUBMISSION LIMITS</th>
<th>INTERNAL DEADLINE</th>
<th>AGENCY DEADLINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blavatnik Family Foundation</td>
<td><strong>Blavatnik Awards for Young Scientists</strong></td>
<td>Only three: one in each disciplinary category of Life Sciences, Physical Sciences &amp; Engineering, or Chemistry</td>
<td>9/4/18 Please specify Disciplinary Category</td>
<td>Nomination Window: 9/26/2018 through 11/15/2018</td>
</tr>
<tr>
<td>Oak Ridge Associated Universities (ORAU)</td>
<td><strong>ORAU Travel Grants</strong></td>
<td>Only two proposals per fiscal year. Contact Maureen Pelham (<a href="mailto:mpelham@fiu.edu">mpelham@fiu.edu</a>) for additional information before applying.</td>
<td>Open</td>
<td>Prelim deadline: Open Agency Deadline: 9/30</td>
</tr>
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<td>National Film and Video Foundation</td>
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<td>The NFVF will receive proposals for film funding throughout the year.</td>
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For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
## Contact ORED Senior Leadership

<table>
<thead>
<tr>
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<tbody>
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<td>Maureen Pelham</td>
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<td><a href="mailto:Maureen.pelham@fiu.edu">Maureen.pelham@fiu.edu</a></td>
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<tr>
<td>Horatiu Vinerean</td>
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<td><a href="mailto:Horatiu.vinerean@fiu.edu">Horatiu.vinerean@fiu.edu</a></td>
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<tr>
<td>Susan Webster</td>
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<td><a href="mailto:Susan.webster@fiu.edu">Susan.webster@fiu.edu</a></td>
</tr>
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**OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT**

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Miami, FL 33199
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For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu