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
⇒ 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, AHCl #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, AHCl #110, A Guide to your Child’s Developmental Milestones, presented by the Center for Children and Families
⇒ November 14, 12 to 1 pm, AHCl #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, AHCl #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
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
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Department/Program</th>
<th>Foundation/Sponsor</th>
<th>Title</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>De La Rosa, Mario R</td>
<td>Robert Stempel College of Public Health and Social Work</td>
<td>CRUSADA University of Miami</td>
<td>Initial Yr2 -CLaRO's Investigator Development Core</td>
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<td>$10,817</td>
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<tr>
<td>Devieux, Jessy</td>
<td>Robert Stempel College of Public Health and Social Work</td>
<td>Health Promotion &amp; Disease Prevention University of Florida</td>
<td>Pre-Award Effects of experimentally induced reductions in alcohol consumption on brain</td>
<td></td>
<td>$33,138</td>
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<td>Evans, Jacqueline R</td>
<td>College of Arts, Sciences &amp; Education—Psychology</td>
<td>National Science Foundation</td>
<td>Initial Doctoral Dissertation Research: Assessing the Strategic Use of Evidence</td>
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<td>$29,300</td>
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<td>Gan Chowdhury, Arindam</td>
<td>College of Engineering and Computing</td>
<td>Civil and Environmental Engineering</td>
<td>National Science Foundation</td>
<td>Initial Collaborative Research: A New Methodology Supported by Full Scale Calibration</td>
<td>$217,747</td>
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<td>Hart, Katie</td>
<td>College of Arts, Sciences &amp; Education</td>
<td>Center for Children and Families Children's Trust</td>
<td>Pre-Award Reading Explorers Program</td>
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<td>$176,434</td>
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<tr>
<td>Hollander, Gail M</td>
<td>Steven J. Green School of International and Public Affairs</td>
<td>Global and Sociocultural Studies National Science Foundation</td>
<td>Initial Race, Space, and Botanical Imperialism</td>
<td></td>
<td>$115,878</td>
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<tr>
<td>Hutcheson, Joshua</td>
<td>College of Engineering and Computing</td>
<td>Biomedical Engineering American Heart Association</td>
<td>Increase Tracing the Therapeutic Efficacy of Bisphosphonates in Bone and Vascular Mineralization</td>
<td></td>
<td>$77,000</td>
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<td>Ibanez, Gladys E</td>
<td>Robert Stempel College of Public Health and Social Work</td>
<td>Epidemiology University of Florida</td>
<td>Continuation Health outcomes and cognitive effects of marijuana use among persons living with HIV/AIDS</td>
<td></td>
<td>$142,326</td>
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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
<table>
<thead>
<tr>
<th>Name</th>
<th>Department/Center</th>
<th>Project Description</th>
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<tbody>
<tr>
<td>Miguez, Maria Jose</td>
<td>College of Arts, Sciences &amp; Education—SISH Brown University Pre-Award Alcohol and HIV: Bio-behavioral Interactions and Intervention- Year 4</td>
<td>$13,375</td>
<td></td>
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<tr>
<td>Mills, De Etta kay</td>
<td>College of Arts, Sciences &amp; Education International Forensic Research Institute National Science Foundation Increase NSF - Supplement Dr. Mills</td>
<td>$10,000</td>
<td></td>
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<tr>
<td>Ortega, Francisco Javier</td>
<td>College of Arts, Sciences &amp; Education Biology Montgomery Botanical Center Increase Phylogeography and Conservation Genetics of the Caribbean Zamia Clade</td>
<td>$28,072</td>
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<tr>
<td>O'Shea, Kevin</td>
<td>College of Arts, Sciences &amp; Education Chemistry National Science Foundation Initial Collaborative Research: Cyclodextrin-Based 2D Materials for the Treatment of</td>
<td>$149,852</td>
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<tr>
<td>Prospect, Sean Antonio</td>
<td>College of Arts, Sciences &amp; Education School of Education After-School All Stars Continuation Project SUPPORT (FIU After-School All-Stars) 2015-2016</td>
<td>$12,668</td>
<td></td>
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<td>Rehage, Jennifer</td>
<td>College of Arts, Sciences &amp; Education Southeast Environmental Research Center South Florida Water Management District Initial Role of coastal lakes as fish habitat for recreational fisheries</td>
<td>$85,000</td>
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<tr>
<td>Rojas, Patria</td>
<td>Robert Stempel College of Public Health and Social Work CRUSADA University of Miami Initial Yr2 -HoMBRES en Familia (Hispanic Men Building Respect, Education…</td>
<td>$288,909</td>
<td></td>
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<tr>
<td>Russell, Valerie</td>
<td>College of Arts, Sciences &amp; Education Leadership and Prof Stu U.S. Department of Education Increase Subproject to 800005813: Student Support No F&amp;A</td>
<td>$114</td>
<td></td>
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</table>
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:

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>PROGRAM</th>
<th>INSTITUTIONAL SUBMISSION LIMITS</th>
<th>INTERNAL DEADLINE</th>
<th>AGENCY DEADLINE</th>
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<tr>
<td>Blavatnik Family Foundation</td>
<td>Blavatnik Awards for Young Scientists</td>
<td>Only three: one in each disciplinary category of Life Sciences, Physical Sciences &amp; Engineering, Chemistry</td>
<td>9/4/18</td>
<td>Nomination Window: 9/26/2018 8 through 11/15/2018</td>
</tr>
<tr>
<td>Oak Ridge Associated Universities (ORAU)</td>
<td>ORAU Travel Grants</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>
<tr>
<td>National Film and Video Foundation</td>
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### Contact ORED Senior Leadership

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
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<td>Andrés G. Gil</td>
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<td>Regnier Jurado</td>
<td>Director, Research Management Solutions</td>
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</tr>
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<td>Donna Kiley</td>
<td>Director, Post-Award</td>
<td><a href="mailto:Donna.kiley@fiu.edu">Donna.kiley@fiu.edu</a></td>
</tr>
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<td>Lidia Kos</td>
<td>Associate Vice President for Research, Associate Dean—University Graduate School</td>
<td><a href="mailto:Lidia.kos@fiu.edu">Lidia.kos@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, Assistant Dean—University Graduate School</td>
<td><a href="mailto:Susan.webster@fiu.edu">Susan.webster@fiu.edu</a></td>
</tr>
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</table>

**OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT**  
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Miami, FL 33199  
http://research.fiu.edu

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