ORED Communicator - April 2019

Office of Research and Economic Development, Florida International University

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ORED Communicator

Upcoming Events

April

⇒ April 3, 9:30 to 11 am, PG 5 215, Psychological First Aid in Disasters (morning lecture same as afternoon), presented by Mark Macgowan

⇒ April 3, 1:30 to 3 pm, PG 5 215, Psychological First Aid in Disasters (afternoon lecture same as morning), presented by Mark Macgowan

⇒ April 4, 12:30 to 1:30 pm, CP 145, Forensic Science Seminar Series: Addressing the Opioid Crisis in the US, presented by experts from the DEA, University of Miami and Florida International University

⇒ April 5, 9 to 10 am, EC 1104, Revisiting Muscle Spindle Function to Understand Impaired Sensorimotor Control, presented by Lena Ting

⇒ April 5, 11 am to 12 noon, PG 5 134, Lysine Acetylation of Replication Proteins Regulates the Choice of the Lagging Strand Maturation Pathway, presented by Lata Balakrishnan

⇒ April 5, 11 am to 12 noon, EC 3930, Electrical and Computer Engineering Seminar, presented by Taher Sarif

⇒ April 5, 12:30 to 1:30 pm, AHC5 300, FIU-RCMI Research in Progress Seminar, presented by Thomas H. Brandon

⇒ April 5, 12:00 to 1:00pm, AHC1 #110, Speaker Series - Irritability in Youth, presented by Ellen Leibenluft

⇒ April 5, 3 to 4 pm, WC 130, Regional Groundwater Modeling over the Lower West Coast Surficial and Intermediate Aquifers, presented by Yrgealem Asseggid, Senior Hydrologic Modeler, South Florida Water Management District

⇒ April 9, 2 to 3 pm, MARC Pavilion, The Leadership Research Colloquium, presented by Nathan Hiller and Cecily Cooper—RSVP at: https://lead.fiu.edu/colloquium

⇒ April 12, 12 to 5 pm, SIPA 103, Biomolecular Sciences Symposium, with keynote address by Robert Sackstein

⇒ April 12, 7 to 8:30 pm, GL 220, Operation Pedro Pan: Preserving the Heritage, Collecting the Stores, presented by Victor Andrés Triay

⇒ April 12, 8 pm, Stocker AstroScience Center, End of Semester Star Party, NASA updates and more, presented by SISH and the Department of Physics

⇒ April 14 to 18, Hilton Miami Downtown Hotel, 2019 International Applied Computational Electromagnetics Society Symposium, registration required

⇒ April 18, 8 am to 4 pm, PG2 120, Innovations in Mass Spectrometry and Automation, hosted by International Forensic Research Institute—free but registration required

⇒ April 26, 9 am to 3 pm, Wolfe University Center, CLEO’s Empower Capable Climate Communicators’ Workshop, presented by CASE, SEAS and InWE

May

⇒ May 1 and May 2, 9 am to 6 pm, SASC, 8th Annual Florida Forensic Science Symposium, presented by FIU’s International Forensic Research Institute, part of the Global Forensic and Justice Center
# Awards Received—February 2019

FIU researchers were awarded $9,697,249 in February 2019. Below is a listing of awards received.

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Project Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td><strong>Abrahao, Anthony</strong></td>
<td>Academic Affairs - ARC Applied Research Center</td>
<td>Autonomous Radiation Mapping and Quantification using an Unmanned Ground Vehicle</td>
<td>$244,040</td>
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<td><strong>Ali, Hesham</strong></td>
<td>College of Engineering and Computing</td>
<td>Impact of Heavy Trucks and Permitted Overweight Loads on Highways and Bridges</td>
<td>$150,000</td>
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<td><strong>Allen, Timothy Alexander</strong></td>
<td>College of Arts, Sciences &amp; Education</td>
<td>The role of the nucleus reuniens in the temporal organization of memory and behavior</td>
<td>$364,575</td>
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<td><strong>Alwan, Elias Antoun</strong></td>
<td>College of Engineering and Computing</td>
<td>Conference Grant: Student Travel Awards for 2019 International Workshop on Antenna Technology</td>
<td>$15,000</td>
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<td><strong>Baralt, Melissa Lorrain</strong></td>
<td>Steven J. Green School of International and Public Affairs</td>
<td>Improving Spanish-language teacher retention and success among black Spanish-language</td>
<td>$87,532</td>
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<tr>
<td><strong>Baralt, Melissa Lorrain</strong></td>
<td>Steven J. Green School of International and Public Affairs</td>
<td>Improving Spanish-language teacher retention and success among black Spanish-language</td>
<td>$12,300</td>
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<tr>
<td><strong>Bhansali, Shekhar</strong></td>
<td>College of Engineering and Computing</td>
<td>PFI-TT: A Low-Cost Cortisol Sensor for Real-Time Stress Monitoring</td>
<td>$20,000</td>
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</tbody>
</table>
Bhansali, Shekhar
College of Engineering and Computing
Electrical and Computer Engineering
National Science Foundation
Increase
PFI-TT: A Low-Cost Cortisol Sensor for Real-Time Stress Monitoring $16,000

Bhat, Mahadev
College of Arts, Sciences & Education
Earth and Environment
U.S. Department of Agriculture
Initial
Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers Program $183,337

Brown, Ellen Leslie
Nicole Wertheim College of Nursing and Health Sciences
University of Alabama
Initial
Examining the clinical workflow and outcomes of integrating health information technology $14,811

Brown, Joann L
College of Communication, Architecture + The Arts
Communication
City of Miami
Initial
Leadership Development Training City of Miami Fire Department $100,950

Burke, Shanna L
Robert Stempel College of Public Health and Social Work
School of Social Work
Florida Department of Health
Initial
Shared neuroanatomical models of psychiatric conditions and Alzheimer's disease $94,999

Burke, Shanna L
Robert Stempel College of Public Health and Social Work
School of Social Work
University of Central Florida
Continuation
Closing the employment and earnings gap for higher education students with intellectual disabilities $32,066

Bursac, Zoran
Robert Stempel College of Public Health and Social Work
Biostatistics
University of Tennessee
Initial
Efficacy of Two Novel Behavioral Post-cessation Weight Gain Intervention $9,798

Bursac, Zoran
Robert Stempel College of Public Health and Social Work
Biostatistics
University of Tennessee
Initial
Behavioral Weight Management for Pregnant and Postpartum Women in the Military $9,798
Cadle, Nathaniel E  
College of Arts, Sciences & Education  
English  
National Endowment for the Humanities  
Initial  
The Romantic Revival and the Rise of Modernism  
$60,000

Chandler, Jason R  
College of Communication, Architecture + The Arts  
Architecture  
Miami-Dade County  
Initial  
Uptown Avenue 7 Community Redevelopment Agency Charrette  
$10,000

Chapagain, Prem P  
College of Arts, Sciences & Education—Physics  
Oragenics Inc.  
Initial  
Computational modeling of lantibiotics interactions with lipid II and membrane  
$30,000

Coles, Erika K  
College of Arts, Sciences & Education—Psychology  
Children's Trust  
Pre-Award  
A Summer Program for Children with or at risk for serious behavior problems  
$258,907

Devieux, Jessy  
Robert Stempel College of Public Health and Social Work  
Health Promotion & Disease Prevention  
University of Florida  
Initial  
Alcohol and HIV: Bio-behavioral Interactions and Interventions  
$64,500

Devieux, Jessy  
Robert Stempel College of Public Health and Social Work  
Health Promotion & Disease Prevention  
Brigham and Women's Hospital  
Continuation  
Immediate Fast-Track versus Standard Care for Persons Living with HIV in Haiti  
$17,225

Dinehart, Laura H  
College of Arts, Sciences & Education  
School of Education  
South Florida After-School All Stars Inc.  
Increase  
South Florida After School All Stars Transfer Agreement 2014-2019  
$43,472

Felty, Quentin W  
Robert Stempel College of Public Health and Social Work  
Environmental Health Sciences  
National Institutes of Health  
Initial  
ID3, epigenetic reprogramming, and hyper-proliferative vascular remodeling  
$439,500
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<tr>
<th>Name</th>
<th>Department/Agency</th>
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<th>Amount</th>
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<tr>
<td>Ferreira, Leonardo C</td>
<td>College of Communication, Architecture + The Arts</td>
<td>U.S. Department of State Initial Seventh On-Camera media Training</td>
<td>$6,060</td>
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<td>Fonseca, Brian</td>
<td>Steven J. Green School of International and Public Affairs J Gordon Institute of Public Policy &amp; Citizenship CACI International Inc.</td>
<td>Supplemental FIU-USSOUTHCOM Academic Partnership</td>
<td>$614,000</td>
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<td>Gaiser, Evelyn E</td>
<td>College of Arts, Sciences &amp; Education Biology FIU Foundation</td>
<td>Initial FIU For Everglades Student Research Fund</td>
<td>$19,999</td>
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<td>Gaiser, Evelyn E</td>
<td>College of Arts, Sciences &amp; Education Biology South Florida Water Management District</td>
<td>Initial Baseline Vegetation and Periphyton Monitoring</td>
<td>$10,646</td>
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<td>Georgakopoulos, Stavros</td>
<td>College of Engineering and Computing Electrical and Computer Engineering Air Force Office of Scientific Research</td>
<td>Increase Highly Efficient Wireless Power Transfer and Data Transmission Methods for Battery-less</td>
<td>$200,000</td>
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<td>Gil, Andrés G.</td>
<td>Academic Affairs—Office of Research &amp; Economic Development National Institutes of Health</td>
<td>Increase Florida International University-Health Disparities Initiative (FIU-HDI)</td>
<td>$1,900,000</td>
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<td>Hale Jr, Donnie Ray</td>
<td>Academic Affairs - Other Units Student Access and Success Educate Tomorrow</td>
<td>Initial Unite Miami: The Education Effect 2018-2019</td>
<td>$126,420</td>
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</table>
Hossain, Muhammad M
Robert Stempel College of Public Health and Social Work
Environmental Health Sciences
National Institute of Environmental Health Sciences
Pre-Award
Pesticide Exposure and Adult Neurogenesis: Role of ER Stress $206,805

Jacobson, Susan Lisa
College of Communication, Architecture + The Arts
Journalism and Media
Research Triangle Institute Int'l
Initial
Campaign for Health Information Empowerment (CHIME) $5,000

Jin, Xia
College of Engineering and Computing
Civil and Environmental Engineering
Florida Department of Transportation
Initial
Identifying and Tracking Emerging Transportation Trends and Indicators $148,395

Jung, Ranu
College of Engineering and Computing
Biomedical Engineering
National Institutes of Health
Initial
Enhancing Sensorimotor Integration Using a Neural Enabled Prosthetic Hand System $669,974

Lagos, Leonel
Academic Affairs—ARC Applied Research Center
Office of Environmental Management
Supplemental
Florida International University's Research Support to the DOE Environmental Management $283,334

Lagos, Leonel
Academic Affairs—ARC Applied Research Center
Office of Environmental Management
Supplemental
Florida International University's Research Support to the DOE Environmental Management $283,334

Lagos, Leonel
Academic Affairs—ARC Applied Research Center
Office of Environmental Management
Supplemental
Florida International University's Research Support to the DOE Environmental Management $283,334

Lagos, Leonel
Academic Affairs—ARC Applied Research Center
Office of Environmental Management
Supplemental
Florida International University's Research Support to the DOE of Environmental Management $283,334
Lagos, Leonel
Academic Affairs—ARC Applied Research Center
U.S. Army
Increase
Cyber Attack Orchestration Test Bed for Automation and Threat Monitoring in Virtual Environment $750,000

Lagos, Leonel
Academic Affairs—ARC Applied Research Center
Indian River State College
Continuation
FIU Support to RCNET's Renewal Proposal for a National Advanced Technical Education Center $100,000

Lagos, Leonel
Academic Affairs—ARC Applied Research Center
WM Symposia
Initial
WMS 2019 University Pavilion FIU Support $11,000

Lothridge, Kevin
College of Arts, Sciences & Education
SISH
Charlotte-Mecklenburg Police Department
Initial
Charlotte Mecklenburg $11,042

Lothridge, Kevin
College of Arts, Sciences & Education
SISH
Houston Forensic Science Center
Initial
Data Interpretation training $31,486

Lothridge, Kevin
College of Arts, Sciences & Education
SISH
Indian River Crime Laboratory
Initial
Indian River County Crime Laboratory DNA training $21,185

Mehrabi, Armin Barzegar
College of Engineering and Computing
Civil and Environmental Engineering
Florida Department of Transportation
Initial
Epoxy Dowel Pile Splice Evaluation $299,976

Murray, Edward P
Steven J. Green School of International and Public Affairs
Metropolitan Center
Miami Homes for All Inc.
Initial
Affordable Housing Blueprint for Miami-Dade County $125,000
Ng, Hooi Hooi
Herbert Wertheim College of Medicine
Human and Molecular Genetics
American Heart Association
Supplemental
Targeting relaxin receptor for the treatment of diabetes-induced cardiovascular calcification $52,216

Peacock, Robert Patrick
Steven J. Green School of International and Public Affairs
Criminology and Criminal Justice
Engility
Supplemental
International Criminal Investigative Assistance Program (ICITAP) $48,000

Prospect, Sean Antonio
College of Arts, Sciences & Education
Community Engagement
Florida Department of Education
Initial
Project PAW (FIU After School All Stars) 2018-2019 $421,052

Richardson, Jason R
Robert Stempel College of Public Health and Social Work Dean’s Office
Environmental Health Sciences
Initial
Gene-Environment Interactions in Neurodegeneration: Role of Efflux Transporters $69,934

Rishe, Naphtali
College of Engineering and Computing
Computer Information Sciences
National Science Foundation
Increase
I/UCRC Phase II: Center for Advanced Knowledge Enablement $50,000

Schwartz, Jaclyn Kristine
Nicole Wertheim College of Nursing and Health Sciences
Occupational Therapy
University of Wisconsin Milwaukee
Initial
Community Participation through Personalized Accessibility Information $35,000

Steadman, Casey P
Academic Affairs—The Wolfsonian
City of Miami Beach
Initial
FY 18-19 City of Miami Beach Cultural Anchors $31,500

Tsoukias, Nikolaos M
College of Engineering and Computing
Biomedical Engineering
University of Vermont
Initial
Capillaries as a sensory web that controls cerebral blood flow in health and disease $30,000

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
**Wdowinski, Shimon**  
College of Arts, Sciences & Education  
Earth and Environment  
Florida Office of Insurance Regulation  
Pre-Award  
Coastal flooding hazard in Florida: Evaluating the contribution of local subsidence  
$65,000  

**Zisis, Ioannis**  
College of Engineering and Computing  
Civil and Environmental Engineering  
National Science Foundation  
Initial  
Phase I I/UCRC Florida International University: Center for Wind Hazard (WHIP)  
$150,000  

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ORED has a new, improved and interactive webpage for funding opportunities. Please visit  
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**Limited Submissions**  
Current limited submission opportunities are available at  
http://research.fiu.edu/funding/limited-submissions/.
### Contact ORED Senior Leadership

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