7-2019

ORED Communicator - July 2019

Office of Research and Economic Development, Florida International University

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Upcoming Events

July
⇒ July 16, 12 to 1 pm, TBD, The Role of artificial intelligence (AI) in the future of biology, biomolecular science and research, presented by Robert Hacker

Awards Received—May 2019

FIU researchers were awarded $13,282,242 in May 2019. Below is a listing of awards received.

Afanasyev, Alexander
College of Engineering and Computing
Computer Information Sciences
Ford Motor Co.
Increase
Named Data Networking for 5G C-V2X $50,000

Almaguer, Ruben D.
Office of the President
Emergency Management
Florida Office of Insurance Regulation
Initial
Public Health and Disaster Medical Preparedness and Response $250,000

Anderson, Elizabeth
College of Arts, Sciences & Education
Earth and Environment
FIU Foundation
Increase
Living Andean Rivers: Low Cost Monitoring of Water Resources $20,000

Azizinamini, Atorod
College of Engineering and Computing
Civil and Environmental Engineering
Florida Office of Insurance Regulation
Initial
Large Scale Testing Facility for Pre-Eminent Institute for Resilient $250,000

Bahrick, Lorraine
College of Arts, Sciences & Education
Psychology
Child Health and Human Development
Initial
Multisensory Development: New Measures and a Collaborative $638,966
Awards Received—May 2019 (continued)

FIU researchers were awarded $13,282,242 in May 2019. Below is a listing of awards received.

Bahrick, Lorraine  
College of Arts, Sciences & Education  
Psychology  
Child Health and Human Development  
Initial  
Intersensory Processing, Developmental Trajectories, and Longitudinal Outcomes $616,908

Baum, Marianna  
Robert Stempel College of Public Health and Social Work  
Dietetics and Nutrition  
National Institute on Drug Abuse  
Continuation  
Cohort Studies of HIV/AIDS and Substance Abuse in Miami $862,262

Boeglin, Werner  
College of Arts, Sciences & Education  
Physics  
U.S. Department of Energy  
Continuation  
Nuclear Physics Research at Jefferson Lab $533,000

Boyd, Jeffrey Allen  
Herbert Wertheim College of Medicine  
Human and Molecular Genetics  
FIU Foundation  
Increase  
Detection of Somatic Pre-Cancerous Mutations in Tampons of Patients with Pre-Existing BRCA1 $6,000

Brown, Ellen Leslie  
Nicole Wertheim College of Nursing and Health Sciences  
Nursing Graduate  
University of Alabama  
Initial  
Examining the clinical workflow and outcomes of integrating health information technology $64,876

Bursac, Zoran  
Robert Stempel College of Public Health and Social Work  
Biostatistics  
Minority Health and Health Disparities  
Pre-Award  
Research Infrastructure Core $80,826
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<tr>
<th>Name</th>
<th>College of Arts, Sciences &amp; Education</th>
<th>Department</th>
<th>Funding Agency</th>
<th>Award Type</th>
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<tr>
<td>Cai, Yong</td>
<td>Chemistry</td>
<td>National Science Foundation</td>
<td>Initial</td>
<td>Photochemical Reactions of Particulate Mercury Species at the Water-Particle</td>
<td>$424,189</td>
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<td>Campa, Adriana</td>
<td>Dietetics and Nutrition</td>
<td>Minority Health and Health Disparities</td>
<td>Pre-Award</td>
<td>Community Engagement Core</td>
<td>$63,772</td>
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<td>Campbell, Justin</td>
<td>Biology</td>
<td>National Science Foundation</td>
<td>Initial</td>
<td>The Tropicalization of Western Atlantic Seagrass Beds</td>
<td>$28,886</td>
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<td>Casas, Alexander</td>
<td>University Police</td>
<td>University of North Florida</td>
<td>Initial</td>
<td>Florida's Bicycle Pedestrian Focused Initiative High Visibility Enforcement</td>
<td>$1,000</td>
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<td>Coles, Erika</td>
<td>Psychology</td>
<td>Children's Trust</td>
<td>Initial</td>
<td>Universal Parenting Education</td>
<td>$117,529</td>
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<td>Comer, Jonathan</td>
<td>Psychology</td>
<td>Boston Medical Center</td>
<td>Initial</td>
<td>Leveraging the ABCD Study to Examine the Effects of Hurricane Irma Exposure</td>
<td>$71,108</td>
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<td>Conlon, Ronan</td>
<td>Math and Statistical Sciences</td>
<td>National Science Foundation</td>
<td>Initial</td>
<td>Kahler manifolds with prescribed Ricci curvature</td>
<td>$60,623</td>
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</tbody>
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For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Cumming, Michelle Maria  
College of Arts, Sciences & Education  
Teaching and Learning  
U.S. Department of Education  
Initial  
Examining the Executive Function and Stress Loop and its Association with Behavior  
$133,985

Cyrus Cameron, Elena Antonia  
Robert Stempel College of Public Health and Social Work  
Epidemiology  
National Institute on Drug Abuse  
Continuation  
To Reach Unrestricted Services for Transgender Women (TRUST)  
$179,707

DeGennaro, Matthew  
College of Arts, Sciences & Education  
Biology  
University of Florida  
Increase  
Southeastern Regional CoE in Vector-Borne Diseases: The Gateway Program  
$141,749

El-Hage, Nazira  
Herbert Wertheim College of Medicine  
Immunology and Nano Medicine  
University of North Carolina Chapel Hill  
Continuation  
Cell-based Platform for Gene Delivery to the Brain  
$25,673

El-Hage, Nazira  
Herbert Wertheim College of Medicine  
Immunology and Nano Medicine  
National Institutes of Health  
Initial  
Develop and evaluate efficacy of nanoformulated siBeclin1 delivered intranasally  
$206,268

Finlayson, Mark Alan  
College of Engineering and Computing  
Computer Information Sciences  
National Science Foundation  
Increase  
Participant Support for 800011690  
$16,000

Fourqurean, James  
College of Arts, Sciences & Education  
Biology  
Naval Supply Systems Command  
Increase  
Deep Saturation Dive Training  
$215,540
**Fourqurean, James**  
College of Arts, Sciences & Education—Biology  
Florida Department of Environmental Protection  
Initial  
Coastal marine research, education and conservation in Southwest Florida  
$529,755

**Fourqurean, James**  
College of Arts, Sciences & Education—Biology  
Florida Department of Environmental Protection  
Increase  
Julia Tuttle Seagrass Die-off Monitoring  
$4,218

**Frazier, Stacy Lynn**  
College of Arts, Sciences & Education  
Psychology  
Society Psychological Study Social Issue  
Initial  
Considering Culture and Context: A Mixed-Methods Approach to Examining Adolescent  
$2,500

**Garber, David**  
College of Engineering and Computing  
Civil and Environmental Engineering  
U.S. Department of Transportation  
Increase  
Development of ABC-UTC Non-Proprietary UHPC Mix  
$50,929

**Gonzalez Jr., Raul**  
College of Arts, Sciences & Education  
Psychology  
National Institute on Drug Abuse  
Continuation  
Adolescent Brain Cognitive Development (ABCD): FIU  
$1,334,272

**Gresham, C. Emily**  
Academic Affairs - ORED  
Florida Office of Insurance Regulation  
Initial  
FIU Decision Lab  
$250,000

**Grove, Kevin**  
Steven J. Green School of International and Public Affairs  
Global and Sociocultural Studies  
Urban Studies Foundation  
Supplemental  
Postdoctoral Research Fellowship-Stephanie Wakefield - Miami Forever  
$15,759

**Guilarte, Tomas**  
Robert Stempel College of Public Health and Social Work  
Minority Health and Health Disparities  
Pre-Award  
Recruitment Core  
$56,244
Hadi, Mohammed  
College of Engineering and Computing  
Civil and Environmental Engineering  
University of South Florida  
Initial  
Application of Dynamic Crash Prediction Methodologies to FDOT Safety  
$67,100

Harborne, Alastair Richard  
College of Arts, Sciences & Education  
Biology  
Nature Conservancy  
Initial  
Mapping and modeling fishing pressure and fish standing stocks in the Eastern Caribbean  
$65,000

Hossain, Muhammad  
Robert Stempel College of Public Health and Social Work  
Environmental Health Sciences  
Environmental Health Sciences  
Increase  
Pesticide Exposure and Adult Neurogenesis: Role of ER Stress  
$15,466

Ibarra, Julio  
Academic Affairs - Other Units  
CIARA  
National Science Foundation  
Continuation  
IRNC: RXP: AtlanticWave-SDX: a distributed intercontinental experimental SDX  
$447,535

Lagos, Leonel  
Academic Affairs - Other Units  
ARC Applied Research Center  
Office of Environmental Management  
Supplemental  
Chemical Process Alternatives for Radioactive Waste  
$230,000

Lagos, Leonel  
Academic Affairs - Other Units  
ARC Applied Research Center  
Office of Environmental Management  
Supplemental  
Environmental Remediation Science and Technology  
$383,333

Lagos, Leonel  
Academic Affairs - Other Units  
ARC Applied Research Center  
Office of Environmental Management  
Supplemental  
Waste and D and D Engineering and Technology Development  
$270,000
Lagos, Leonel
Academic Affairs - ARC Applied Research Center
Office of Environmental Management
Supplemental
DOE-FIU Science and Technology Workforce Development Program $190,000

Llau Jr., Anthoni Francis
Robert Stempel College of Public Health and Social Work
Health Promotion and Disease Prevention
Miami-Dade County
Initial
Miami-Dade County Opioid Youth Initiative $130,016

Lothridge, Kevin
College of Arts, Sciences & Education—SISH
FLIR Detection Inc.
Initial
FLIR Detection G510 Training $192,928

Lothridge, Kevin
College of Arts, Sciences & Education—SISH
United Nations Mission in South Sudan
Initial
Training on crime scene documentation to UNMISS Human Rights Division in Entebbe, Uganda $24,476

Maziak, Wasim
Robert Stempel College of Public Health and Social Work
Epidemiology
Fogarty International Center NIH
Continuation
Translating evidence & building capacity to support waterpipe control in the Eastern Mediterranean $364,495

McPherson, Jacob
College of Engineering and Computing
Biomedical Engineering
American Heart Association
Initial
Restorative neuroplasticity in brainstem motor pathways to enhance rehabilitation post-stroke $199,998

McPherson, Jacob
College of Engineering and Computing
Biomedical Engineering
National Institutes of Health
Initial
Intraspinal microstimulation for multi-modal rehabilitation $316,573

Mebel, Alexander
College of Arts, Sciences & Education—Chemistry
U.S. Department of Energy
Continuation
Theoretical Studies of chemical reactions related to the formation and growth $110,000
Mehrabi, Armin Barzegar  
College of Engineering and Computing  
Civil and Environmental Engineering  
U.S. Department of Transportation  
Increase Performance of Existing ABC Projects: Inspection Case Studies $30,000

Mehrabi, Armin Barzegar  
College of Engineering and Computing  
Civil and Environmental Engineering  
U.S. Department of Transportation  
Increase Available ABC Bridge Systems for Short Span Bridges- Course Module $20,000

Miguez, Maria Jose  
College of Arts, Sciences & Education  
SISH Brown University  
Pre-Award Alcohol and HIV: Bio-behavioral Interactions and Intervention—Year 5 $20,000

Mills, De Etta kay  
College of Arts, Sciences & Education  
Biology  
National Institutes of Health  
Initial Year 1 - Admin - Florida International University MARC U*STAR Program $10,799

Mills, De Etta kay  
College of Arts, Sciences & Education  
Biology  
National Institutes of Health  
Initial Year 1 - Trainee - Florida International University MARC U*STAR Program $22,645

Montas-Hunter, Sonja S  
Academic Affairs - Other Units  
Student Access and Success  
College Board Florida Partnership  
Initial 2018-2019 College Board Florida Partnership CARES $10,000

Murray, Edward P  
Steven J. Green School of International and Public Affairs  
Metropolitan Center  
Haitian American Community Dev Corp  
Initial Professional Services for Development of Capital Investment Plan for Little Haiti $45,000
Nair, Madhavan  
Herbert Wertheim College of Medicine  
Immunology and Nano Medicine  
National Institute on Drug Abuse  
Supplemental  
Externally controlled nano-delivery and on-demand release of methanandamide across BBB $6,523

Oberbauer, Steven  
College of Arts, Sciences & Education—Biology  
University of Miami  
Initial  
Assembly patterns of evolutionary-novel Anolis lizard communities $8,192

Ozgen, Mesut  
College of Communication, Architecture + The Arts  
Music  
Miami-Dade County Cultural Affairs  
Initial  
2019 Guitar Festival TDC Grant $5,000

Papastamatiou, Yannis Peter  
College of Arts, Sciences & Education—Biology  
Earthwatch Institute  
Increase  
Shark and ray conservation in Belize $30,000

Pissinou, Niki  
College of Engineering and Computing  
Computer Information Sciences  
U.S. Air Force  
Initial  
Sensor-Chain: A Demo of Lightweight Blockchain based internet of Military things $150,000

Rein, Kathleen  
College of Arts, Sciences & Education—Chemistry  
National Oceanic and Atmospheric Admin  
Continuation  
A Mechanism Based Intervention for Brevetoxin Induced Oxidative Stress $165,052

Richardson, Jason R  
Robert Stempel College of Public Health and Social Work Dean’s Office  
U.S. Department of Veterans Affairs  
Initial  
Neuroinflammation and abnormal behavior following combined chemical exposures $17,000

Rogers, Jamie L  
Academic Affairs - Other Units  
GIS Center and Digital Collection  
Boynton Beach City Library  
Initial  
Boynton Beach City Library Digital Collection Hosting Contract $1,300
Ross, Monique Serena Lara  
College of Engineering and Computing  
Computer Information Sciences  
National Science Foundation  
Initial  
CAREER: Cracking the diversity code: Understanding computing pathways  
$662,350

Sah, Jay P  
College of Arts, Sciences & Education—SERC  
National Park Service  
Increase  
Vegetation monitoring within the habitat of Cape Sable seaside sparrow  
$68,602

Scinto, Leonard  
College of Arts, Sciences & Education  
Earth and Environment  
South Florida Water Management District  
Increase  
LILA (Loxahatchee Impoundment Landscape Assessment)  
$95,807

Sheehan Delgado, Diana Montserrat  
Robert Stempel College of Public Health and Social Work  
Epidemiology  
Minority Health and Health Disparities  
Continuation  
Just-in-time adaptive interventions for improving young Latino sexual minority’s success  
$126,318

Shirley, Matthew  
College of Arts, Sciences & Education—Biology  
Rare Species Conservatory Foundation  
Initial  
Supporting the Recovery of the Critically Endangered West African Slender-snouted Crocodile  
$30,000

Standiford, Lester  
College of Arts, Sciences & Education—English  
Eckerd College  
Initial  
Writers in Paradise 2020  
$38,325

Theobald, Jamie  
College of Arts, Sciences & Education—Biology  
National Science Foundation  
Increase  
CAREER: Image speed and visual acuity during fly flight  
$168,350

Theobald, Jamie  
College of Arts, Sciences & Education—Biology  
National Science Foundation  
Increase  
Participant Support - CAREER: Image speed and visual acuity during fly flight  
$1,650
Tieu, Kim
Robert Stempel College of Public Health and Social Work
Environmental Health Sciences
Environmental Health Sciences
Initial
Toxicant-induced neurotoxicity mediated by glia-neuron and gene-environment interactions $78,525

Timmons, Adela Chaswill
College of Arts, Sciences & Education
Psychology
National Science Foundation
Initial
A Technology-Facilitated Intervention System for Improving Child Mental Health $10,000

Trepka, Mary Jo
Robert Stempel College of Public Health and Social Work
Epidemiology
Minority Health and Health Disparities
Pre-Award
Investigator Development Core $117,077

Trepka, Mary Jo
Robert Stempel College of Public Health and Social Work
Epidemiology
Minority Health and Health Disparities
Continuation
Women-centered HIV care practices that facilitate HIV care retention $444,754

Triay Melendez, Ines
Academic Affairs - Other Units
ARC Applied Research Center
U.S. Department of Energy
Increase
MSI Mission-to-Market for Inclusive Economic Development $150,107

Trucco, Elisa
College of Arts, Sciences & Education
Psychology
Minority Health and Health Disparities
Pre-Award
Antecedents and Consequences of Electronic Nicotine Delivery Systems $98,339

Volakis, John
College of Engineering and Computing
Engineering Deans Office
Novaa Ltd.
Initial
Passive Millimeter-Wave Imaging Camera System Using Optical $84,112
Wagner, Eric  
Robert Stempel College of Public Health and Social Work  
School of Social Work  
Minority Health and Health Disparities  
Pre-Award  
FIU Center for Reducing Health Disparities in Substance Abuse & HIV in South Florida  
$126,423

Wang, Weirui  
College of Communication, Architecture + The Arts  
Communication  
Pennsylvania State University  
Initial  
Correcting Health Misinformation through Narratives: Investigating the Interplay  
$3,000

Wdowinski, Shimon  
College of Arts, Sciences & Education  
Earth and Environment  
NASA Goddard Space Flight Center  
Increase  
Cascading hazards: Understanding triggering relations between wet tropical cyclones  
$51,243

Wunder, Linda  
Nicole Wertheim College of Nursing and Health Sciences  
Nursing Anesthesiology  
Miami Beach Anesthesiology Associates  
Increase  
Miami Beach Anesthesiology Associates Faculty Support Agreement  
$51,502

Zhang, Lu  
College of Engineering and Computing  
Moss School of Construction, Infrastructure and Sustainability  
Engineering Information Foundation  
Initial  
Advancing Engineering Undergraduates’ Professional Presentation Skills  
$24,783

**Funding Opportunities**
ORD 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/).

For updates, corrections, suggestions, and/or general comments, please email [Mercedes.rodriguez@fiu.edu](mailto:Mercedes.rodriguez@fiu.edu)
# 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>Vice President for Research &amp; Economic Development</td>
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<td><a href="mailto:Luis.salas@fiu.edu">Luis.salas@fiu.edu</a></td>
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<td>and Compliance</td>
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<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>
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<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>
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<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>
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<td>Christopher Grayson</td>
<td>Director, Research Integrity</td>
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<tr>
<td>Emily Gresham</td>
<td>Assistant Vice President, Innovation &amp; Economic Development</td>
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<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>
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<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>
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<td>Regnier Jurado</td>
<td>Director, Research Management Solutions</td>
<td><a href="mailto:Regnier.jurado@fiu.edu">Regnier.jurado@fiu.edu</a></td>
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<tr>
<td>Donna Kiley</td>
<td>Director, Post-Award</td>
<td><a href="mailto:Donna.kiley@fiu.edu">Donna.kiley@fiu.edu</a></td>
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<tr>
<td>Lidia Kos</td>
<td>Associate Vice President for Research, Associate Dean—University</td>
<td><a href="mailto:Lidia.kos@fiu.edu">Lidia.kos@fiu.edu</a></td>
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<tr>
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<td>Maureen Pelham</td>
<td>Director, Research Development</td>
<td><a href="mailto:Maureen.pelham@fiu.edu">Maureen.pelham@fiu.edu</a></td>
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<td>Director, Postdoctoral Scholar Services</td>
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<td>Horatiu Vinerean</td>
<td>Director, Laboratory Animal Research; Attending Veterinarian</td>
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<tr>
<td>Susan Webster</td>
<td>Assistant Vice President for Research, Assistant Dean—University</td>
<td><a href="mailto:Susan.webster@fiu.edu">Susan.webster@fiu.edu</a></td>
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