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ORED Communicator - May 2017

Office of Research and Economic Development, Florida International University

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May 2017

Congratulations to our 2017 graduates and our dedicated faculty who help them get there!
Upcoming Events

May

- May 3, 12:30 to 1:30 pm, AHC4 #101. The Paracrine Hormone Hypothesis of Colorectal Cancer, presented by Scott A. Waldman
- May 3 and 4, 7:30 am to 5 pm, GC 140. TechNeeds Seminars—Robots, Sensors & Humans—Benefits & Challenges of the Implementation of Robotic Systems in Hazardous Environments, registration required
- May 9, 1 to pm, SIPA Auditorium, 6th Annual IFRI Symposium, to register click here
- May 10, 8:30 am to 5 pm, SIPA Auditorium, 6th Annual IFRI Symposium, to register click here

Awards Received—March 2017

FIU researchers were awarded $11,532,339 in March 207. Below is a listing of awards received.

Alexander Agoulnik
College of Medicine
COM Human and Mol Genetics
Bayer Pharmaceuticals
Initial
Small molecule relaxin receptor agonists in treatment of uterine fibroids $13,993

Andres G Gil
Academic Affairs - Other Units
ORED
National Institutes of Health
Increase
Florida International University-Health Disparities Initiative (FIU-HDI) $1,710,000

Angela Marie Richmond Laird
College of Arts, Sciences & Education
Physics
National Institute on Drug Abuse
Pre-Award
FIU-ABCD: Pathways and Mechanisms to Addiction in the Latino Youth of South Florida $256,396

Arindam Gan Chowdhury
College of Engineering and Computing
Civil and Environ Engineering
Bison Innovative Products
Agreement
Service Agreement between the FIU Board of Trustees and Bison Innovative Products $77,899

Carlos Arturo Espinal Tejada
College of Public Health Social Work
Health Promo and Disease Prevention
Sanofi
Initial
Global health conference and Global Health Consortium activities $95,000
Casey P Steadman
Academic Affairs - Other Units
The Wolfsonian
FIU Foundation
Increase
Knight Museum of Ideas Fund

Cheng-Tin Gan
College of Engineering and Computing
Civil and Environ Engineering
Florida Department of Transportation
Initial
Effectiveness of Stationary Police Vehicles with Blue Lights in Freeway Work Zones

Diana Valle-Riestra
College of Arts, Sciences & Education
Community Engagement
University of Central Florida
Supplemental
Project Panther LIFE 2015-2020 Florida Consortium on Inclusive Higher Education

Elizabeth Cramer
College of Arts, Sciences & Education
Teaching and Learning
American Educational Research Assoc.
Initial
Parental Engagement in a Large, Urban School District for Students with Disabilities,

Elizabeth M Bejar
Provost and Exec VP Acad Aff
University of Pennsylvania
Supplemental
HSI-PATHWAYS Hispanic Serving Institutions: Pathways to the Professoriate

Eric Bishop-Von Wettberg
College of Arts, Sciences & Education
Biology
National Institute of Food & Agriculture
Initial
Developing low pH tolerant varieties of chickpea

Evelyn E Gaiser
College of Arts, Sciences & Education
SEAS
Arizona State University
Increase
Urban resilience to climate change-driven extreme events

Francisco Alberto Fernandez Lima
College of Arts, Sciences & Education
Chemistry
National Science Foundation
Increase
CAREER: Development of gas-phase, post-ionization structural tools

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Francisco Alberto Fernandez Lima
College of Arts, Sciences & Education
Chemistry
IML Global Corp
Agreement
Service Authorization Request between the FIU BOT and IML Global Corp $1,950

Geoffrey S Smith
College of Engineering and Computing
Computer Info Sciences
University of South Florida
Initial
Florida Center for Cybersecurity $25,000

Henry Briceno
CASE SERC
National Aquarium
Initial
Water Quality and Benthic community status of borrow pit, Florida Keys $58,464

Hesham A Ali
College of Engineering and Computing
Civil and Environ Engineering
Florida Department of Transportation
Increase
Express Lane Marker Color Human Factors Study on Concrete $11,000

Hitendra Singh Chand
College of Medicine
COM Immunology
National Institutes of Health
Increase
Targeting Hyperplastic Airway Cells Using a Small Molecule Inhibitor $190,642

Ioannis Zisis
College of Engineering and Computing
Civil and Environ Engineering
University of Florida
Increase
Characterization and modeling of the damage caused by hurricane induced $49,946

Jennifer Rehage
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 $81,000

Joann Arnowitz
Academic Affairs - Other Units
Jewish Museum of Florida-FIU
City of Miami Beach
Initial
JMOF General Support Grant FY17 $49,500
Jun Li
College of Arts, Sciences & Education
Biology
National Institutes of Health
Initial
Targeting mosquito FREP1 protein for malaria control $232,491

Krishnaswamy Jayachandran
College of Arts, Sciences & Education
Earth and Environment
Texas A&M University
Initial
START NOW Student Training in Agricultural Research Techniques $83,000

Leonel Lagos
Academic Affairs - Other Units
ARC Applied Research Center
U.S. Army
Continuation
Cyber Attack Orchestration Test Bed for Automation and Threat Monitoring $200,000

Leonel Lagos
ARC Applied Research Center
Office of Environmental Management
Increase
Florida International University's Research Support to the DOE’s OEM $1,160,001

Lowell B Cooper III
Library Operations
Miami-Dade County Cultural Affairs
Initial
American Sign-Language, Captioning and Digital Transcription $2,406

Maria Olenick
College of Nursing and Health Sciences
Nursing Undergraduate
U.S. Department of Veterans Affairs
Supplemental
VA Nursing Academic Partnership Program (VANAP) $1,319,818

Marianna Baum
College of Public Health Social Work
Dietetics and Nutrition
Case Western Reserve University
Initial
OMICs to define impact of cocaine on immunity and HIV persistence in treated HIV $159,500

Mark L Williams
College of Public Health Social Work
Health Policy and Mgmt
Univ of Texas Health Science Ctr Houston
Continuation
HIV risk and prevention venue affiliation among young $25,460
<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Funding Source</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masafumi Yoshinaga</td>
<td>College of Medicine COM Cell Biology and Pharm FIU Foundation</td>
<td>Initial</td>
<td>Pathways and molecular mechanisms of activation/synthesis and detox</td>
<td>$50,000</td>
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<tr>
<td>Matthew Degennaro</td>
<td>College of Arts, Sciences &amp; Education Biology Florida Department of Health</td>
<td>Initial</td>
<td>Identifying Molecular Targets for Spatial Mosquito Repellent Design</td>
<td>$198,468</td>
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<td>Matthew T Sutherland</td>
<td>College of Arts, Sciences &amp; Education Psychology National Institutes of Health</td>
<td>Continuation</td>
<td>Impact of HIV and cannabis on brain function: Regions, networks,</td>
<td>$162,296</td>
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<td>Mesut Ozgen</td>
<td>College of Communication, Architecture + The Arts Music Miami-Dade County Cultural Affairs</td>
<td>Initial</td>
<td>2017 Guitar Festival TDC Grant</td>
<td>$5,000</td>
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<tr>
<td>Mesut Ozgen</td>
<td>College of Communication, Architecture + The Arts Music National Endowment for the Arts</td>
<td>Initial</td>
<td>2018 Guitar Festival NEA Art Works Grant</td>
<td>$15,000</td>
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<tr>
<td>Moses A Shumow</td>
<td>College of Communication, Architecture + The Arts Journalism and Media FIU Foundation</td>
<td>Initial</td>
<td>Eyes on Your Mission Academy: Building Digital Capacity</td>
<td>$97,000</td>
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<tr>
<td>Nazira El-Hage</td>
<td>College of Medicine Immunology National Institutes of Health</td>
<td>Continuation</td>
<td>Role of Autophagy in Microglia-induced NeuroAIDS in Substance Abuse</td>
<td>$360,180</td>
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<tr>
<td>Nazira El-Hage</td>
<td>College of Medicine COM Immunology Florida Department of Health</td>
<td>Initial</td>
<td>Development of nanoscale approaches for Zika virus pathogenesis and therapeutics</td>
<td>$1,983,036</td>
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</table>
Norman D Munroe  
College of Engineering and Computing  
Mechanical and Mat Engineering  
National Action Council for Minorities  
Increase  
NACME Initiative at Florida International University $46,000

Ping Zhu  
College of Arts, Sciences & Education  
Earth and Environment  
National Oceanic and Atmospheric Admin  
Increase  
Improving HWRF's Ability to Predict Rapid Change in Tropical Cyclone $169,162

Raul Gonzalez Jr  
College of Arts, Sciences & Education  
Psychology  
National Institute on Drug Abuse  
Pre-Award  
FIU-ABCD: Pathways and Mechanisms to Addiction in the Latino Youth of South Florida $286,606

Raul Gonzalez Jr  
College of Arts, Sciences & Education  
Psychology  
National Institute on Drug Abuse  
Continuation  
The Impact of Cannabis Use on the Neurocognitive Functioning of Individuals with HIV/AIDS $327,159

Raul Gonzalez Jr  
College of Arts, Sciences & Education  
Psychology  
National Institute on Drug Abuse  
Continuation  
Decision-Making and Episodic Memory in Trajectories to Cannabis Addiction $347,790

Robert Joseph Burgman  
College of Arts, Sciences & Education  
Earth and Environment  
National Oceanic and Atmospheric Admin  
Increase  
Developing a Real-Time Multi-Model Sub-Seasonal Predictive Capability $20,000

Sakhrat Khizroev  
College of Engineering and Computing  
Elec and Computer Eng  
University of California Berkeley  
Supplemental  
Physics of Spin Switching in Sub-10-nm Spin-transfer-torque Magnetic Tunneling Junctions $28,600
Shanna L Burke  
College of Public Health Social Work  
School of Social Work  
Florida Department of Health  
Initial  
Demographic, Neuropsychological and Functional Classification, Risk Factors, $99,994

Sonja S Montas-Hunter  
Academic Affairs - Other Units  
Student Access and Success  
College Board Florida Partnership  
Initial  
2016-2017 College Board Florida Partnership Expanded Opportunity Grant $61,870

Stavros Georgakopoulos  
College of Engineering and Computing  
Elec and Computer Eng  
Air Force Office of Scientific Research  
Increase  
Highly Efficient Wireless Power Transfer and Data Transmission Methods $200,000

Tiffany Troxler  
College of Arts, Sciences & Education  
Southeast Env Research Ctr  
South Florida Water Management District  
Increase  
Surface water-groundwater interactions in Everglades tree islands $87,350

Wasim Maziak  
College of Public Health Social Work  
Epidemiology  
National Institute on Drug Abuse  
Increase  
Advancing addition research and capacity to guide tobacco control in the Eastern $127,667

Xia Jin  
College of Engineering and Computing  
Civil and Environ Engineering  
Cambridge Systematics  
Initial  
New York Best Practice Model 2012 Base Year Update $16,368

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/).
## Contact ORED Senior Leadership

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</tbody>
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**OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT**

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