

May 2017

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**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 5 pm, SIPA Auditorium,** [\*6<sup>th</sup> Annual IFRI Symposium\*](#), to register click [here](#)
- **May 10, 8:30 am to 5 pm, SIPA Auditorium,** [\*6<sup>th</sup> Annual IFRI Symposium\*](#), to register click [here](#)

## Awards Received—March 2017

FIU researchers were awarded \$11,532,339 in March 2017. 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

\$87,105

**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

\$261,653

**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

\$82,719

**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,

\$5,000

**Elizabeth M Bejar**

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

\$73,739

**Eric Bishop-Von Wettberg**

College of Arts, Sciences & Education  
Biology  
National Institute of Food & Agriculture  
Initial  
Developing low pH tolerant varieties of chickpea

\$116,830

**Evelyn E Gaiser**

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

\$110,281

**Francisco Alberto Fernandez Lima**

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

\$302,000

**Francisco Alberto Fernandez Lima**

College of Arts, Sciences &amp; 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 &amp; 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 &amp; Education

Biology

National Institutes of Health

Initial

Targeting mosquito FREP1 protein for malaria control

\$232,491

**Krishnaswamy Jayachandran**

College of Arts, Sciences &amp; Education

Earth and Environment

Texas A&amp;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

**Masafumi Yoshinaga**

College of Medicine

COM Cell Biology and Pharm

FIU Foundation

Initial

Pathways and molecular mechanisms of activation/synthesis and detox \$50,000

**Matthew Degennaro**

College of Arts, Sciences &amp; Education

Biology

Florida Department of Health

Initial

Identifying Molecular Targets for Spatial Mosquito Repellent Design \$198,468

**Matthew T Sutherland**

College of Arts, Sciences &amp; Education

Psychology

National Institutes of Health

Continuation

Impact of HIV and cannabis on brain function: Regions, networks, \$162,296

**Mesut Ozgen**

College of Communication, Architecture + The Arts

Music

Miami-Dade County Cultural Affairs

Initial

2017Guitar Festival TDC Grant \$5,000

**Mesut Ozgen**

College of Communication, Architecture + The Arts

Music

National Endowment for the Arts

Initial

2018 Guitar Festival NEA Art Works Grant \$15,000

**Moses A Shumow**

College of Communication, Architecture + The Arts

Journalism and Media

FIU Foundation

Initial

Eyes on Your Mission Academy: Building Digital Capacity \$97,000

**Nazira El-Hage**

College of Medicine Immunology

National Institutes of Health

Continuation

Role of Autophagy in Microglia-induced NeuroAIDS in Substance Abuse \$360,180

**Nazira El-Hage**

College of Medicine

COM Immunology

Florida Department of Health

Initial

Development of nanoscale approaches for Zika virus pathogenesis and therapeutics \$1,983,036



**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 &amp; 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>.

## ***Limited Submissions***

Current limited submission opportunities are available at <http://research.fiu.edu/funding/limited-submissions/>.



## *Contact ORED Senior Leadership*

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