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ORED Communicator - May 2017

Office of Research and Economic Development, Florida International University

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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 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 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 & 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

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 & Education

Biology

Florida Department of Health

Initial

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

Matthew T Sutherland

College of Arts, Sciences & 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 & 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/>.

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