

12-2018

## ORED Communicator - December 2018

Office of Research and Economic Development, Florida International University

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## Upcoming Events

### December 2018

Awards Received  
September 2018  
(page 2)

Funding  
Opportunities  
(page 18)

Contact Us  
(page 19)

### December

- ⇒ **December 5, 8 am to 1 pm, GL #220, Climate Change Teach-In**, presented by Liesl Picard
- ⇒ **December 7, 9 to 10 am, AHC5 #300, Adaptive Optics Imaging to Reveal Structure and Function of Neural Circuits that Underlie Human Spatial and Color Vision**, presented by Austin Roorda
- ⇒ **December 7, 12 to 1 pm, AHC 1 #110, Small Science Brain Imaging in the Era of Big Data**, presented by Francisco X. Castellanos (one continuing education credit will be provided)

### January

- ⇒ **January 11, 11:15 am to 12:15 pm, PG5 #134, How to search 10s of millions of synthetic compounds while only requiring the screening of 300-600 samples?**, presented by Richard Houghten
- ⇒ **January 18, 11 am to 12 noon, PG5 #134, Combating Antibiotic Resistance: Drug Repurposing and Nanoantibiotics**, presented by Mingdi Yan
- ⇒ **January 18, 12 to 1 pm, AHC 1 #110, Management of Anxiety in Youth**, presented by Philip C. Kendall (one continuing education credit will be provided)

### February

- ⇒ **January 18, 12 to 1 pm, AHC 1 #110, Severe Temper Outbursts: Indicators of Emotion Dysregulation in Children**, presented by Amy K. Roy (one continuing education credit will be provided)
- ⇒ **February 20 to 22, Kovens Center, Biscayne Bay Campus, 2019 Miami International Child & Adolescent Mental Health (MICAMH) Conference**, presented by the Center for Children and Families

**The Office of Research and Economic Development (ORED) staff are temporarily relocated as follows:**

- ⇒ Pre-Award: Academic Health Center 4 (AHC 4)—2<sup>nd</sup> floor
- ⇒ Post-Award: AHC 4—3<sup>rd</sup> floor
- ⇒ Budget & Cost Analysis: AHC 4—4<sup>th</sup> floor
- ⇒ Research Integrity: AHC 4—4<sup>th</sup> floor
- ⇒ Research Information Systems: AHC 4—3<sup>rd</sup> floor
- ⇒ Research Management Solutions: AHC 4—4<sup>th</sup> floor
- ⇒ Technology Management & Commercialization—MARC 3<sup>rd</sup> floor
- ⇒ Vice President for Research & Economic Development/Dean UGS—MARC 240

The MARC fourth floor will be undergoing much needed renovations.

## *Awards Received—October 2018*

FIU researchers were awarded \$8,496,886 in October 2018. Below is a listing of awards received.

### **Adjouadi, Malek**

College of Engineering and Computing

Electrical and Computer Engineering

Initial

University of Texas, El Paso

INCLUDES Alliance: The Computing Alliance of Hispanic-Serving Institutions

\$49,664

### **Agarwal, Arvind**

College of Engineering and Computing

Mechanical and Materials Engineering

Initial

University of Texas, El Paso

Partnership for Research and Education Consortium in Ceramics and Polymers

\$244,293

### **Agarwal, Arvind**

College of Engineering and Computing

Mechanical and Materials Engineering

Initial

University of Texas, El Paso

Partnership for Research and Education Consortium in Ceramics and Polymers

\$56,064

### **Almirall, Jose**

College of Arts, Sciences & Education

Chemistry

Increase

National Science Foundation

Center for Advanced Research in Forensic Science (CARFS), Phase I IUCRC Site at FIU

\$17,000

### **Barbetta, Patricia**

College of Arts, Sciences & Education

Teaching and Learning

Initial

Florida Department of Education

2018-2019 Exceptional Student Education (ESE Tuition Support Program)

\$265,000

### **Barratt, Diana M**

Herbert Wertheim College of Medicine

Neuroscience

Initial

American Board of Psychiatry & Neurology

Disclosure of Medical Errors in Stroke Patients: Development of a Simulation Curriculum

\$100,000

### **Bhansali, Shekhar**

College of Engineering and Computing

Electrical and Computer Engineering

Pre-Award

North Carolina State University

Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)

\$47,531

**Bhardwaj, Shubhendu**

College of Engineering and Computing  
 Electrical and Computer Engineering  
 Pre-Award

North Carolina State University

Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)

\$14,998

**Bouayad, Lina**

College of Business  
 Info Sys and Bus Analytic  
 Increase

U.S. Department of Veterans Affairs

Mining of patient text notes and secure messages

\$17,877

**Bouayad, Lina**

Info Sys and Bus Analytic  
 Increase

U.S. Department of Veterans Affairs

Mining of patient text notes and secure messages

\$26,800

**Boyd, Jeffrey Allen**

Herbert Wertheim College of Medicine  
 Human and Molecular Genetics  
 Continuation

Fox Chase Cancer Center

Identifying Determinants of PARP Inhibitor Sensitivity in Ovarian Cancer

\$13,721

**Brown, Joann L**

College of Communication, Architecture + The Arts  
 Communication

Initial

Village of Biscayne Park Police

Village Biscayne Park Cultural Diversity and Leadership Training

\$7,500

**Cheng, Michael**

Chaplin School of Hospitality and Tourism Management  
 Initial

U.S. Department of State

U.S. Culinary Region Tour for Culinary Journalists and Educators

\$26,744

**Chung, Katherine D**

Herbert Wertheim College of Medicine  
 Humanities Health and Society  
 Initial

FIU Foundation

Partnering with Communities to Drive out Breast Cancer in Miami-Dade County

\$38,800

**Cramer, Elizabeth**

College of Arts, Sciences & Education  
 Teaching and Learning  
 Increase

U.S. Department of Education

Project PREPARE: Preparing Rigorous and Effective Professionals as Autism

\$4,050

**Danziger, Zachary**

College of Engineering and Computing  
Biomedical Engineering  
Increase

FIU Foundation

Post-SCI Bladder Reflex Conditioning with Pelvic Neuromodulation \$108,723

**De Caprio, Anthony**

College of Arts, Sciences & Education—Chemistry  
Initial

U.S. Department of Justice

Evaluating Analytical Parameters and Understanding Drug-Matrix Interactions \$400,349

**Eraso, Mario**

College of Engineering and Computing  
Computer Info Sciences

Initial

City of Miami Beach

STEM Afterschool Enrichment \$37,400

**Espinal Tejada, Carlos Arturo**

Robert Stempel College of Public Health and Social Work  
Health Promotion and Disease Prevention

Initial

FIU Foundation

State of the art prevention and control of pertussis \$164,900

**Fava, Nicole M**

Robert Stempel College of Public Health and Social Work  
School of Social Work

Initial

Children's Trust

Trauma-informed screening & treatment in community university clinic: Parents & youth \$254,883

**Gaiser, Evelyn E**

College of Arts, Sciences & Education—Biology  
Increase

South Florida Water Management District

Periphyton and vegetation monitoring for the adaptive management of the Upper Taylor \$90,985

**Gan, Cheng-Tin**

College of Engineering and Computing  
Civil and Environmental Engineering

Initial

Florida Department of Transportation

2018-2019 FSUTMS Online Web Portal Maintenance \$13,913

**Hadi, Mohammed A**

College of Engineering and Computing  
Civil and Environmental Engineering

Increase

University of Florida

FIU Professional Development & Participation in Southeastern Transportation \$51,602

**Hadi, Mohammed A**

College of Engineering and Computing  
Civil and Environmental Engineering  
Increase

University of Florida

FIU Professional Development & Participation in Southeastern Transportation

\$55,506

**Hadi, Mohammed A**

College of Engineering and Computing  
Civil and Environmental Engineering  
Increase

University of Florida

FIU Professional Development & Participation in Southeastern Transportation Research,

\$64,655

**Hamid, Shahid**

College of Business  
Finance

Supplemental

Florida Office of Insurance Regulation

Florida Public Hurricane Loss Model (FPHLM)

\$891,272

**Hamid, Shahid**

College of Business  
Finance

Supplemental

Florida Office of Insurance Regulation

Florida Public Hurricane Loss Model (FPHLM)

\$78,417

**Huang, Hui**

Robert Stempel College of Public Health and Social Work  
School of Social Work

Initial

Florida State University

A pilot test and initial validation of a quality rating scale for Florida's residential group homes

\$7,137

**Ibanez, Gladys E**

Robert Stempel College of Public Health and Social Work  
Epidemiology

Initial

University of Florida

Use of HIV Surveillance Data to Address HIV-related Stigma and Improve HIV Care

\$17,397

**Ibarra, Julio E**

Academic Affairs—CIARA

Continuation

Association of Universities for Research in Astronomy

Large Synoptic Survey Telescope (LSST)

\$3,087,500

**Khizroev, Sakhrat**

College of Engineering and Computing  
Electrical and Computer Engineering

Initial

Air Force Office of Scientific Research

Energy-efficient sub-10-nm magnetic tunneling junctions

\$120,057

**Liu, Hong**

College of Arts, Sciences & Education  
Earth and Environment  
Increase

Pew Charitable Trusts Fellows Program

Conservation of illegal-traded marine wildlife in South China \$1,500

**Lothridge, Kevin**

College of Arts, Sciences & Education  
SISH  
Initial

FLIR Detection Inc.

Gas chromatograph mass spectrometer user training and maintenance \$3,842

**Madanayake, Habarakada Liyanachchi**

College of Engineering and Computing  
Electrical and Computer Engineering  
Initial

National Science Foundation

Collaborative Research: Wideband Multi-Beam Antenna Arrays: \$188,385

**McDaniel, Dwayne**

Academic Affairs—ARC Applied Research Center  
Initial

U.S. Department of Energy

HBCU/OMI AOI 2 Development of a Pipe Crawler Inspection Tool for Fossil Energy \$375,409

**Mills, De Etta kay**

College of Arts, Sciences & Education—Biology  
Increase

National Science Foundation

Center for Advanced Research in Forensic Science (CARFS), Phase I IUCRC Site at FIU \$8,000

**Mohammed, Osama A**

College of Engineering and Computing  
Electrical and Computer Engineering  
Continuation

University of Arkansas

An Interdisciplinary Approach to Integratable, Composable and Evolvable Cybersecurity \$18,715

**Mohammed, Osama A**

College of Engineering and Computing  
Electrical and Computer Engineering  
Continuation

University of Arkansas

An Interdisciplinary Approach to Integratable, Composable and Evolvable Cybersecurity \$24,637

**Mohammed, Osama A**

College of Engineering and Computing  
Electrical and Computer Engineering  
Continuation

University of Arkansas

An Interdisciplinary Approach to Integratable, Composable and Evolvable Cybersecurity \$18,055

**Mondal, Ananda Mohan**

College of Engineering and Computing  
 Computer Info Sciences  
 Initial

National Science Foundation

CAREER: RUI: NetDA -- Protein Network-Based Software for Disease \$49,453

**Montas-Hunter, Sonja S**

Academic Affairs - Other Units  
 Student Access and Success  
 Initial

Florida Department of Education

EV3 Robotics 2018-2019 21st Century Community Learning Centers \$309,970

**Montas-Hunter, Sonja S**

Academic Affairs - Other Units  
 Student Access and Success  
 Initial

Florida Education Fund

2018-2019 COE South Florida Center of Excellence at FIU \$26,000

**Morris, Staci L**

Academic Affairs - Community Based Research Institute  
 Initial

Florida State University

Community Partnership for Preventing Health Risks among Florida Urban American Indian \$10,000.00

**Obeysekera, Jayantha T**

College of Arts, Sciences & Education  
 Sea Level Solutions Center  
 Initial

FL Dept of Business & Profess Regulation

Potential Implications of sea-level rise and changing rainfall in Florida Building Code \$127,883

**Peacock, Robert Patrick**

Steven J. Green School of International and Public Affairs  
 Criminal Justice

Initial

Engility

International Criminal Investigative Assistance Program (ICITAP) \$16,000

**Pradhananga, Nipesh**

College of Engineering and Computing  
 Moss School of Construction, Infrastructure and Sustainability  
 Initial

U.S. Department of Labor

Electrical Hazards in Construction \$120,085

**Prospect, Sean Antonio**

College of Arts, Sciences & Education  
 Community Engagement  
 Initial

Children's Trust

After-School All-Stars Kinloch Park \$225,000



**Saeed, Fahad**

College of Engineering and Computing  
Computer Info Sciences

Initial

National Science Foundation

CRII: SHF: HPC Solutions to Big NGS Data Compression

\$7,708

**Sarwat, Arif Islam**

College of Engineering and Computing  
Electrical and Computer Engineering

Pre-Award

University of Arkansas

An Interdisciplinary Approach to Integratable, Composable and Evolvable Cybersecurity

\$27,307

**Shirley, Matthew H**

College of Arts, Sciences & Education

Biology

Initial

Chicago Zoological Society

Ecological and ethnological basis for pangolin management in and around the Tanoe Swamp

\$5,000

**Strong, Alexandra Coso**

College of Engineering and Computing

SUCCEED

Initial

National Science Foundation

Collaborative HSI Conference: Co-designing an engineering education research agenda

\$1,533

**Thomas, Kieron**

College of Arts, Sciences & Education

SISH

Initial

City of Miami Beach

FIU Learning Assistant Math Intervention

\$20,000

**Tremante, Andres**

College of Engineering and Computing

Mechanical and Mat Engineering

Continuation

National Action Council for Minorities

NACME Initiative at Florida International University

\$30,000

**Volakis, John**

College of Engineering and Computing Dean's Office

Initial

MaXentric Technologies LLC

High Capacity & Adaptive RF Communications Control Link

\$30,000

**Wunder, Linda L**

Nicole Wertheim College of Nursing and Health Sciences

Nursing Anesthesiology

Supplemental

Miami Beach Anesthesiology Associates

Miami Beach Anesthesiology Associates Faculty Support Agreement

\$452,663

**Xiao, Yi**

College of Arts, Sciences &amp; Education

Chemistry

Increase

National Science Foundation

Center for Advanced Research in Forensic Science (CARFS), Phase I IUCRC Site at FIU

\$25,000

## 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/>.**Upcoming deadlines include:**

AGENCY	PROGRAM	INSTITUTIONAL SUBMISSION LIMITS	INTERNAL DEADLINE	AGENCY DEADLINE
Oak Ridge Associated Universities (ORAU)	<a href="#">Events Sponsorship Program</a>	Only one event grant per institution per fiscal year	1/11/2019	3/1/2019
National Science Foundation	<a href="#">Cultivating Cultures for Ethical STEM</a> NSF 18-532	Only one application per institution.	12/17/2018	2/22/2019
Florida Department of Transportation	<a href="#">Accelerated Weathering of Traffic Control Materials by Laboratory Testing</a> DOT-RFP-19-9041-GH	Only one application per institution.	12/10/2018	1/30/2019
National Science Foundation	<a href="#">Materials Innovation Platform</a> NSF 19-526	Only one application per institution.	12/10/2018	2/04/2019
W.M. Keck Foundation	<a href="#">Research Program</a>	Only one application per institution per grant cycle.	12/10/2018	Concept Papers Due/Pre-Application Counseling Periods: 1/01/2019-02/15/2019
National Film and Video Foundation	<a href="#">National Film and Video Foundation Fund</a>	Only one application per organization, individual or company will be	Open	The NFVF will receive proposals for film funding throughout the year.

AGENCY	PROGRAM	INSTITUTIONAL SUBMISSION LIMITS	INTERNAL DEADLINE	AGENCY DEADLINE
	(Marketing and Distribution)	considered during a particular financial year.		
National Film and Video Foundation	<u>National Film and Video Foundation Fund</u> (Production Funding)	Only one application per organization, individual or company will be considered during a particular financial year.	Open	The NFVF will receive proposals for film funding throughout the year.

## Contact ORED Senior Leadership

Name	Title	Email Address
Andrés G. Gil	Vice President for Research & Economic Development	Andres.gil@fiu.edu
Tonja Moore	Associate Vice President, <a href="#">Strategic Planning &amp; Operations</a>	Tonja.moore@fiu.edu
Luis P. Salas	Associate Vice President, <a href="#">International Research, Space Optimization and Compliance</a>	Luis.salas@fiu.edu
Mirtha Alberto	Director, <a href="#">Budget &amp; Cost Analysis</a>	Mirtha.alberto@fiu.edu
Henry Artigues	Director, <a href="#">External Partnerships &amp; Economic Development</a>	Henry.artigues@fiu.edu
David Driesbach	Assistant Vice President, <a href="#">Research Information Systems</a>	David.driesbach1@fiu.edu
Christopher Grayson	Director, <a href="#">Research Integrity</a>	Christopher.grayson@fiu.edu
Emily Gresham	Assistant Vice President, <a href="#">Innovation &amp; Economic Development</a>	Emily.gresham@fiu.edu
Robert Gutierrez	Assistant Vice President, <a href="#">Research Development &amp; Pre-Award</a>	Robert.gutierrez@fiu.edu
Pedro Hernández	Director, <a href="#">Technology Management &amp; Commercialization</a>	Pedro.hernandez7@fiu.edu
Regnier Jurado	Director, <a href="#">Research Management Solutions</a>	Regnier.jurado@fiu.edu
Donna Kiley	Director, <a href="#">Post-Award</a>	Donna.kiley@fiu.edu
Lidia Kos	Associate Vice President for Research, Associate Dean— <a href="#">University Graduate School</a>	Lidia.kos@fiu.edu
Maureen Pelham	Director, <a href="#">Research Development</a> Director, <a href="#">Postdoctoral Scholar Services</a>	Maureen.pelham@fiu.edu
Horatiu Vinerean	Director, <a href="#">Laboratory Animal Research</a> ; Attending Veterinarian	Horatiu.vinerean@fiu.edu
Susan Webster	Assistant Vice President for Research, Assistant Dean— <a href="#">University Graduate School</a>	Susan.webster@fiu.edu



**OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT**  
 11200 SW 8<sup>th</sup> Street—call 305-348-2494 for specific personnel's location  
 Miami, FL 33199  
<http://research.fiu.edu>