

Spring 3-2016

## March 2016 ORED Communicator

Office of Economic Research and Development, Florida International University

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### Recommended Citation

Office of Economic Research and Development, Florida International University, "March 2016 ORED Communicator" (2016). *Office of Research and Economic Development Newsletters*. 34.  
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## ORED hosts workshop on federal funding opportunities for academic innovators and entrepreneurs

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On February 22, ORED hosted a highly-anticipated half-day workshop for academic innovators and entrepreneurs. Approximately 70 people attended the “standing room only” event. Faculty from FIU were joined by their colleagues at the University of Miami, staff from Nicklaus Children’s Hospital, managers from regional scientific institutes, and representatives from technology-based companies as they engaged with leaders from the Offices of Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) at three institutes of the National Institutes of Health. Each NIH program officer discussed valuable resources available to researchers and small business owners, including institute-specific funding opportunities, and answered questions. Two additional experts from South Florida shared information on local and regional resources available to support commercialization ventures. In the afternoon, 19 FIU faculty members met individually with the pertinent NIH

visitors to discuss the potential commercial value of his or her research activity.

Distinguished speakers included Ms. Lili Portilla, Director of the SBIR Program and Director of Strategic Alliances at the National Center for Advancing Translational Sciences (NCATS); Mr. Todd Merchak, SBIR/STTR Program Manager with the National Institute of Biomedical Imaging and Bioengineering (NIBIB); and Mr. Michael Weingarten, Director of the SBIR Development Center at the National Cancer Institute (NCI). Ms. Gina Alexis, President of The Alexis Group Consultants and former chair of BioFlorida, and Ms. Alison Tanner, Florida Institute for the Commercialization of Public Research, concluded the presentation.

The value of the educational workshop was enhanced by the numerous organizations represented at the event. In addition to faculty from FIU and UM, the packed room included scientists, staff, and leadership from Torrey Pines Institute for Molecular Studies, Miami MedTech, Nicklaus Children’s Hospital, Sanford Burnham Prebys Medical Discovery Institute, Nikao USA, and Kytaro, among others.

ORED’s Technology Management and Commercialization (TMC) unit is available to assist FIU faculty. Faculty interested in pursuing grants through the SBIR or STTR mechanisms should contact [Elizabeth Garami](#), Licensing Manager. To learn more about NSF I-CORPS opportunities, please contact [Peter Hernandez](#), Director of the TMC.



## Upcoming Events

### March 2016

- **March 1 & 2, 8 am to 5 pm, MARC Pavilion, 6<sup>th</sup> International Conference on Global Health.** [RSVP required](#)
- **March 3, 12 to 1 pm, AHC 4 #402, RCR—The Lab/Avoiding Research Misconduct,** please contact [molinae@fiu.edu](mailto:molinae@fiu.edu) to register
- **March 3 & 4, 8 am to 6 pm, MARC Pavilion, 18<sup>th</sup> Annual Biomedical and Comparative Immunology Symposium**
- **March 4, 9 to 10 am, EC 2300, Heart Valve Development and Disease Mechanisms,** presented by [Katherine Yutzey](#)
- **March 7, 12 to 2 pm, PG5 153, My Life Managing Extraordinary Diseases,** presented by [Aileen Marty](#). [RSVP required.](#)
- **March 8, 1 to 3 pm, AHC 4 #402, Obtaining IACUC Approval,** please contact [molinae@fiu.edu](mailto:molinae@fiu.edu) to register
- **March 11, 9 to 10 am, EC 2300, 3D Data,** presented by [Amir Shmuel](#)
- **March 11, 2 to 3 pm, ECS 241, Understanding, Designing and Developing Natural User Interactions for Children,** presented by [Lisa Anthony](#)
- **March 17 – 18, 10 am to 5 pm, GC Ballrooms Undergraduate Research Conference**
- **March 18, 2 to 3 pm, ECS 241, Using Process Modeling and Analysis Techniques to Reduce Errors in Healthcare,** presented by [Lori A. Clarke](#)
- **March 24, 2 to 4pm, AHC 4 #402, IRB Ethics/Ethics in Human Subjects Research,** please contact [molinae@fiu.edu](mailto:molinae@fiu.edu) to register
- **March 25, 9 to 10 am, EC 2300, The Light Works: Non-invasive 3D Optical Imaging of Tissue Morphology and Microcirculations in Vivo,** presented by [Ruikang \(Ricky\) Wang](#)
- **March 25, 2 to 3 pm, ECS 241, SCIS Distinguished Women Lecture Series,** presented by [Tracy Camp](#)
- **March 30 and 31, 9 am to 5 pm, GC Ballrooms, 2016 Conference for Undergraduate Research at FIU**

### April 2016

- **April 1, 9 to 10 am, EC 2300, Current Clinical Status of Tissue Engineered Vascular Grafts in Heart Surgery,”** presented by [Toshiharu Shinoka](#)
- **April 5, 10 am to 12 pm, AHC 4 #402, IRB Part 1—Obtaining Approval,** please contact [molinae@fiu.edu](mailto:molinae@fiu.edu) to register
- **April 8, 12 to 1 pm, GC 277, RCR in the Digital Age,** please contact [Davfelix@fiu.edu](mailto:Davfelix@fiu.edu) to register
- **April 13, 12:30 to 1:30 pm, AHC 4 # 402, Informed Consent,** please contact [molinae@fiu.edu](mailto:molinae@fiu.edu) to register
- **April 15, 9 to 10 am, EC 2300, WHC Seminar Series** presented by [Prabir Patra](#)
- **April 15, 2 to 3 pm, ESC 241, Computational Thinking** presented by [Jeannette M. Wing](#)
- **April 20, 12 to 1:30 pm, GL 100B, RCR Data Acquisition, Management, Sharing and Ownership,** please contact [Davfelix@fiu.edu](mailto:Davfelix@fiu.edu) to register
- **April 22, 9 to 10 am, EC 2300, WHC Seminar Series** presented by [Javier Jo](#)

### May 2016

- **May 5, 1 to 2 pm, AHC 4 #402, Preparing for IACUC Site Visits,** please contact [molinae@fiu.edu](mailto:molinae@fiu.edu) to register
- **May 17, 1 to 3 pm, AHC 4 #402, IRB Part 2—Managing your Approved Protocol,** please contact [molinae@fiu.edu](mailto:molinae@fiu.edu) to register

## Awards Received—January 2016

FIU researchers were awarded \$7,751,543 in January 2016. Below is a listing of awards received.

**PI:** Malek Adjouadi

**ELEC AND COMPUTER ENG**

**Award Action Type:** Initial

**AWARDING SPONSOR:** National Science Foundation

**TITLE:** Subproject MC: MRI: Development of an Integrated Neuroimaging

**AWARD:** \$ 1,159,308

**PI:** Malek Adjouadi  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Subproject SGA: MRI: Development of an Integrated Neuroimaging **AWARD:** \$ 303,374

**PI:** Benjamin C Amick Iii  
**HEALTH POLICY AND MGMT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Pan American Health Organization  
**TITLE:** Cost-Benefit Analysis of SMART Hospitals in Four Caribbean Countries **AWARD:** \$ 209,570

**PI:** Benjamin C Amick Iii  
**HEALTH POLICY AND MGMT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Institute for Work & Health  
**TITLE:** IWH Professional Services Contract **AWARD:** \$ 124,000

**PI:** Joann Arnowitz  
**JEWISH MUSEUM OF FLORIDA-FIU**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** City of Miami Beach  
**TITLE:** JMOF General Support Grant FY15-16 **AWARD:** \$ 49,500

**PI:** Shekhar Bhansali  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** I-Corps Team: Transdermal alcohol sensor system for monitoring **AWARD:** \$ 50,000

**PI:** Benjamin Boesl  
**MECHANICAL AND MAT ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Central Florida  
**TITLE:** 2015-16 Hybrid Rocket Competition-ASME Student Team for **AWARD:** \$ 750

**PI:** Jeffrey Allen Boyd  
**COM HUMAN AND MOL GENETICS**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** Baptist Cancer Research Lab **AWARD:** \$ 1,219,709

**PI:** Brian Fonseca  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** CACI International Inc  
**TITLE:** CERDEC Flight Activity (CFA) System Engineering Support **AWARD:** \$ 188,000

**PI:** F Javier Francisco Ortega  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Mohammed bin Zayed Species Conservation  
**TITLE:** Conservation Action Plan for Haiti **AWARD:** \$ 10,000

**PI:** Stavros Georgakopoulos  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Support for 2016 Workshop on EFRI-ODISSEI Research **AWARD:** \$ 2,408

**PI:** Stavros Georgakopoulos  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Participant Costs: Support for 2016 Workshop on EFRI-ODISSEI **AWARD:** \$ 14,400

**PI:** Pedro Jose Greer  
**COM HUMANITIES HLTH AND SOC**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** The Academy **AWARD:** \$ 194,098

**PI:** Mohammed A Hadi  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Guidelines for the Evaluation of Ramp Signaling Deployments **AWARD:** \$ 200,000

**PI:** Cheryl L Holder  
**COM HUMANITIES HLTH AND SOC**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** South Florida Transgender Women HIV Knowledge and Risk **AWARD:** \$ 3,023

**PI:** Konstantinos Kavallieratos  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** REU Site: Sensing, Monitoring, and Detection: From Molecules **AWARD:** \$ 80,630

**PI:** Konstantinos Kavallieratos  
**CHEMISTRY**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** REU Site: Sensing, Monitoring, and Detection: From Molecules **AWARD:** \$ 80,630

**PI:** Konstantinos Kavallieratos  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Participants: REU Site: Sensing, Monitoring, and Detection: **AWARD:** \$ 219,636

**PI:** Konstantinos Kavallieratos  
**CHEMISTRY**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Participants: REU Site: Sensing, Monitoring, and Detection **AWARD:** \$ 219,636

**PI:** Jeremy Kiszka  
**INST OF WATER AND ENVIRONMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Wildlife Conservation Society  
**TITLE:** Conserving Sharks and Rays in the Southwest Indian Ocean **AWARD: \$** 5,000

**PI:** Leonel E Lagos  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** FIU's Research Support to the DOE OEM **AWARD: \$** 253,312

**PI:** Leonel E Lagos  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** Subproject: FIU's Research Support to the DOE OEM **AWARD: \$** 253,312

**PI:** Leonel E Lagos  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** Subproject: FIU's Research Support to the DOE OEM **AWARD: \$** 253,312

**PI:** Leonel E Lagos  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** Subproject: FIU's Research Support to the DOE OEM **AWARD: \$** 253,312

**PI:** Angelique R Lawrence  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Cabrera Services Inc  
**TITLE:** GIS Mapping Support **AWARD: \$** 35,012

**PI:** Christine Lisetti  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Rutgers The State University  
**TITLE:** Interactive Virtual Training (IVT) for Early Career Teachers in High Poverty **AWARD: \$** 10,000

**PI:** Debra Lundy  
**SCH OF HOSP AND TOURISM MGMT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Cultural Affairs  
**TITLE:** 2016 Annual Fun & Fit as a Family **AWARD: \$** 14,000

**PI:** Purnima Madhivanan  
**EPIDEMIOLOGY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** University of California Berkeley  
**TITLE:** Global Health Fellows and Scholars Program **AWARD: \$** 1,138

**PI:** Mark A Marine  
**ARCHITCT AND THE ARTS DEANS OFF**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** FDOT District VI Building envelope project **AWARD:** \$ 10,436

**PI:** Kalai Mathee-Narasimhan  
**COM HUMAN AND MOL GENETICS**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Sanofi Pasteur SA  
**TITLE:** Geospatial Data and Outreach Facilitation Systems for Vaccination **AWARD:** \$ 150,000

**PI:** Bruce Mc Cord  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** DNA methylation analysis using High Resolution Melt for body **AWARD:** \$ 49,994

**PI:** Joongho Moon  
**CHEMISTRY**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Korea Evaluation Inst of Industrial Tech  
**TITLE:** Development of 35% lightweight CCB module for automotives using **AWARD:** \$ 41,067

**PI:** Madhavan P Nair  
**INSTITUTE OF NEUROIMMUNE PHARM**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Nano-delivery of methanandamide across BBB to block cannabinoid **AWARD:** \$ 520,084

**PI:** Richard Olson  
**EXTREME EVENTS RESEARCH CENTER**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** AECOM  
**TITLE:** The New Orleans Small and Medium Enterprise (SME) Resilience **AWARD:** \$ 26,392

**PI:** Richard Olson  
**EXTREME EVENTS RESEARCH CENTER**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** AECOM  
**TITLE:** The New Orleans Small and Medium Enterprise (SME) Resilience **AWARD:** \$ 26,392

**PI:** Amy R Paul Ward  
**OCCUPATIONAL THERAPY**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Preparing Occupational Therapists to Practice in Schools (POPS) **AWARD:** \$ 249,927

**PI:** William E Pelham Jr  
**CENTER FOR CHILDREN AND FAM**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** University of Pittsburgh  
**TITLE:** The Development of Alcohol Use and Abuse in ADHD Adolescents **AWARD:** \$ 168,747

**PI:** Naphtali Rishe  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** III. Large: Collaborative Research: Moving Objects Databases for Exploration     **AWARD:** \$     16,000

**PI:** Jacqueline Bueno Sousa  
**COB DEANS OFFICE**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of West Florida  
**TITLE:** FSBDC 2016 - YR 3     **AWARD:** \$     449,335

**PI:** Jacqueline Bueno Sousa  
**COB DEANS OFFICE**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of West Florida  
**TITLE:** PTAC: FSBDC 2016 - YR 3     **AWARD:** \$     35,225

**PI:** Jacqueline Bueno Sousa  
**COB DEANS OFFICE**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of West Florida  
**TITLE:** STATE: FSBDC 2016 - YR 3     **AWARD:** \$     135,374

**PI:** Brian R Van Hook  
**EXTREME EVENTS RESEARCH CENTER**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** AECOM  
**TITLE:** The New Orleans Small and Medium Enterprise (SME) Resilience     **AWARD:** \$     26,352

**PI:** Brian R Van Hook  
**EXTREME EVENTS RESEARCH CENTER**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** AECOM  
**TITLE:** The New Orleans Small and Medium Enterprise (SME) Resilience     **AWARD:** \$     26,352

**PI:** Joanne M Youngblut  
**NURSING UNDERGRADUATE**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Institute of Nursing Research  
**TITLE:** Children's Responses to Sibling Death in NICU/PICU in 3 Racial/Ethnic     **AWARD:** \$     220,139

**PI:** Ioannis Zisis  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Development of a Test Method for Assessing the Performance of     **AWARD:** \$     192,656

## ***Funding Opportunities***

The funding opportunities are in a separate excel file, which includes a filter for agency, date and opportunity number.



## Contact ORED Senior Leadership

Name	Title	Email Address
Andrés G. Gil	Vice President for Research & Economic Development	Andres.gil@fiu.edu
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