Spring 3-2016

March 2016 ORED Communicator

Office of Economic Research and Development, Florida International University

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ORED hosts workshop on federal funding opportunities for academic innovators and entrepreneurs

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. 6th 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 to register
- March 3 & 4, 8 am to 6 pm, MARC Pavilion. 18th 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 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 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 to register
- April 8, 12 to 1 pm, GC 277, RCR in the Digital Age, please contact Davfelix@fiu.edu to register
- April 13, 12:30 to 1:30 pm, AHC 4 #402, Informed Consent, please contact 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 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 to register
- May 17, 1 to 3 pm, AHC 4 #402, IRB Part 2—Managing your Approved Protocol, please contact 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 MATE 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

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
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: 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  
ARCHITECT 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  
OCUPATIONAL 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Email Address</th>
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</thead>
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<td><a href="mailto:Susan.webster@fiu.edu">Susan.webster@fiu.edu</a></td>
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