In October, ORED launched a webpage dedicated to recognizing research faculty honors and highlights. Faculty featured thus far include:

The Society for Research on Adolescence (SRA) recently named Elisa Trucco, PhD, Assistant Professor of Psychology, as an Emerging Scholar. The award is given annually to four researchers recognized as gaining national prominence as experts on adolescence. Dr. Trucco, who joined FIU’s Center for Children and Families in August 2015 immediately after completing a postdoctoral research fellowship at the University of Michigan, is establishing an interdisciplinary program of research focused on increased understanding of the etiology of substance use in adolescence from a social ecological approach. During the course of her training, the Research Society on Alcoholism honored her innovative research with two prestigious awards, the Junior Investigator Award (2013) and the Enoch Gordis Research Recognition Award (2015). Currently the recipient of a highly competitive Research Career Development Award (K01) from the National Institute on Alcohol Abuse and Alcoholism and co-investigator on a National Institute on Drug Abuse grant recently awarded to FIU, Dr. Trucco has already authored or co-authored more than 20 publications in peer-reviewed journals.

On its 70th anniversary, the Journal of Medical Microbiology, one of the most prestigious journals in microbiology, announced that it is restricting its editorial board format and identified Kalai Mathee, PhD, Professor of Human and Molecular Genetics, and Director, Global Health Consortium, as one of six Section Editors. Recognized experts in their respective fields, section editors will ensure that the journal continues to publish high-quality science across the full spectrum of clinical microbiology. As Section Editor for Prevention and Therapy, Dr. Mathee will oversee a panel of editors responsible for steering the journal’s scientific content in that subject category. Dr. Mathee’s impact on the field will extend to the Microbiology Society’s Editorial Office, as the section editors will influence the content, promotion, and expansion of the journal.

The White House and the U.S. Department of Transportation honored Atorod Azizinamini, professor and chair of the Department of Civil and Environmental Engineering at FIU’s College of Engineering and Computing, for his innovations in making the nation’s aging bridges safer. Azizinamini has been named a 2015 White House Transportation Champion of Change. The White House Champions of Change Program highlights the stories and examples of citizens across the nation, who are leading projects and initiatives that move their communities forward. On October 13, the U.S. Department of Transportation and the White House Office of Public Engagement hosted White House Champions of Change, focused on “Beyond Traffic: Innovators in Transportation for the Future.” Azizinamini and the other honorees were recognized for being leaders in advancing transportation and change that benefits the country’s transportation system. Azizinamini invented the Folded Plate Steel Bridge System, which provides an economical, long-term solution for replacing outdated short span bridges.

The 2015 National Accelerated Bridge Construction Conference takes place December 7 and 8, 2015.

Please share your research faculty honors and highlights by emailing Maureen Pelham.
Upcoming Events

December 2015

- **December 2, 1 to 2 pm, HAC2 #170, Mitochondrial Underpinnings of HIV-associated Neurocognitive Abnormalities**, presented by Howard Fox
- **December 3, 11 am to 12 pm, GC 150, Network and Circuit Dysregulation in Drug Addiction: Towards and Imagining Biomarker for Addiction**, presented by Elliot Stein from NIH/NIDA
- **December 4, 9 to 10 am, EC 2300, Proving the Nano-Architecture of Biological Tissues Using Light**, presented by Steven Jacques
- **December 4, 11 am to 12 pm, AHC3 #205, DNA Repair as a Double-Edged Sword**, presented by Karen Usdin, from NIH’s National Institute of Diabetes and Kidney Disease
- **December 4, 2 to 3 pm, ECS 241, One Robot for Every Task**, presented by Daniela Rus
- **December 4, 11 am to 12 pm, AHC2 #170, Role of Endolysosome Deacidification in the Pathogenesis of HIV-1 Associated Neurocognitive Disorder and Alzheimer’s Disease**, presented by Jonathan Geiger
- **December 4, 2 to 3 pm, ECS 241, One Robot for Every Task**, presented by Daniela Rus
- **December 16, 1 to 2 pm, AHC2 #170, Role of Endolysosome Deacidification in the Pathogenesis of HIV-1 Associated Neurocognitive Disorder and Alzheimer’s Disease**, presented by Jonathan Geiger
- **December 16, 1:30 to 6 pm, AHC4 #402, Biomolecular Sciences Institute Symposium on DNA Repair and Genome Stability, in honor of the 2015 Nobel Prize in Chemistry for DNA Repair**

January 2016

- **January 4 through 7, TBD, International Mathematics Conference in Partial Differential Equations, Complex Analysis and Related Topics**
- **January 6, 1 to 2 pm, AHC2 #170, Secrets of the Cancer Genome**, presented by Douglas Levine
- **January 8, 2 to 3 pm, ECS 241, Toward a Theory of Humanly Computable Protocols**, presented by Manuel Blum
- **January 20, 1 to 2 pm, AHC2 #170, Translating Laboratory Findings Towards Assessment of Tobacco-Related Cancer Risk in Populations and Individuals**, presented by David Hein
- **January 22, 9 to 10 am, EC 2300, Imaging of the Brain in Stroke Survivors**, presented by Brian Schmit
- **January 29, 9 to 10 am, EC 2300**, presentation by Cecilia Giachelli

Awards Received—October 2015

FIU researchers were awarded $10,717,795 in October 2015. Below is a listing of awards received.

**PI:** Jose R Almirall  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** Characterization and comparison of tape evidence using elemental  
**AWARD:** $244,072

**PI:** Jose R Almirall  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** Strengthening the Evaluation and Interpretation of Glass Evidence  
**AWARD:** $230,471

**PI:** Alejandro Miguel Arrieta Herrera  
**HEALTH POLICY AND MGMT**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Indiana University  
**TITLE:** Evaluating the Cost-Benefit of a Contingency Management  
**AWARD:** $49,819

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
PI: Atorod Azizinamini  
CIVIL AND ENVIRON ENGINEERING  
Award Action Type: Supplemental  
AWARDING SPONSOR: U.S. Department of Transportation  
TITLE: Tier 1 University Transportation Center U.S. DOT Strategic Goal  
AWARD: $923,700

PI: Atorod Azizinamini  
CIVIL AND ENVIRON ENGINEERING  
Award Action Type: Initial  
AWARDING SPONSOR: American Assoc State Highway & Transp Of  
TITLE: Travel reimbursement (scholarship) services for the 2015 SHRP 2  
AWARD: $ 75,000

PI: Marianna Baum  
DIETETICS AND NUTRITION  
Award Action Type: Initial  
AWARDING SPONSOR: National Institute on Drug Abuse  
TITLE: Cohort Studies of HIV/AIDS and Substance Abuse in Miami  
AWARD: $1,116,569

PI: Shekhar Bhansali  
ELEC AND COMPUTER ENG  
Award Action Type: Initial  
AWARDING SPONSOR: North Carolina State University  
TITLE: Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)  
AWARD: $ 73,955

PI: Kevin Mershon Boswell  
INST OF WATER AND ENVIRONMENT  
Award Action Type: Supplemental  
AWARDING SPONSOR: Industrial Economics Inc  
TITLE: Analysis of acoustic data from Deep Water Horizon  
AWARD: $ 79,180

PI: Kevin Mershon Boswell  
INST OF WATER AND ENVIRONMENT  
Award Action Type: Initial  
AWARDING SPONSOR: Florida Institute of Oceanography  
TITLE: Fishery-Independent Surveys of Reef Fish Community, Size, and Age  
AWARD: $290,742

PI: Cheryl D Brewster  
COM STUDENT AFFAIRS  
Award Action Type: Initial  
AWARDING SPONSOR: U.S. Department of Health & Human Servic  
TITLE: Florida Science Training and Research (STAR) Fellowship  
AWARD: $493,377

PI: Fabian Cevallos  
CIVIL AND ENVIRON ENGINEERING  
Award Action Type: Initial  
AWARDING SPONSOR: Triangle Transit  
TITLE: Bus Stop Management System  
AWARD: $ 62,525

PI: Shu-Ching Chen  
INTERNATIONAL HURRICANE CENTER  
Award Action Type: Supplemental  
AWARDING SPONSOR: Florida Office of Insurance Regulation  
TITLE: FPHL Model Operation and Maintenance, and Model Upgrades  
AWARD: $106,910
**PI:** Shu-Ching Chen  
**INTERNATIONAL HURRICANE CENTER**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** Florida Office of Insurance Regulation  
**TITLE:** Florida Public Hurricane Loss Model Project Model Enhancements  
**AWARD:** $159,879

**PI:** Shu-Ching Chen  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Purdue University  
**TITLE:** A Data Mining Framework for Enhancing Emergency Response  
**AWARD:** $40,000

**PI:** Helen Z Cornely  
**NURSING AND HLTH SCI DEANS OFF**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Health Resources & Services Administrati  
**TITLE:** Scholarship for Disadvantaged Students  
**AWARD:** $24,081

**PI:** Jose Miguel Cruz  
**LATIN AMERICAN AND CARIB CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** CACI International Inc  
**TITLE:** CERDEC Flight Activity (CFA) System Engineering Support:  
**AWARD:** $30,833

**PI:** Timothy Dean  
**PRE-COLLEGIATE & COLL. PROGRAM**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Education  
**TITLE:** South Florida CROP Consortium 2015-2016  
**AWARD:** $48,569

**PI:** Maria Donoso  
**EARTH AND ENVIRONMENT**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** US Agency for International Development  
**TITLE:** Rwanda Integrated Water Security Program (RIWSP)  
**AWARD:** $330,348

**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:** $89,167

**PI:** Kenneth G Furton  
**PROVOST AND EXEC VP ACAD AFF**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Association of Public & Land-Grant Univ  
**TITLE:** University Transformation through Teaching (UT3) Phase II  
**AWARD:** $640,000

**PI:** Evelyn Gaiser  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research:  
**AWARD:** $979,999
PI: Evelyn Gaiser  
SOUTHEAST ENV RESEARCH CTR  
Award Action Type: Increase  
AWARDING SPONSOR: National Science Foundation  
TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research:  
AWARD: $198,661

PI: Shahid Hamid  
INTERNATIONAL HURRICANE CENTER  
Award Action Type: Supplemental  
AWARDING SPONSOR: Florida Office of Insurance Regulation  
TITLE: FPHL Model Operation and Maintenance, and Model Upgrades  
AWARD: $233,316

PI: Shahid Hamid  
INTERNATIONAL HURRICANE CENTER  
Award Action Type: Supplemental  
AWARDING SPONSOR: Florida Office of Insurance Regulation  
TITLE: Florida Public Hurricane Loss Model Project Model Enhancements  
AWARD: $868,184

PI: Shahid Hamid  
INTERNATIONAL HURRICANE CENTER  
Award Action Type: Supplemental  
AWARDING SPONSOR: Florida Office of Insurance Regulation  
TITLE: Florida Public Hurricane Loss Model Project Model Enhancements  
AWARD: $671,937

PI: David Kadko  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Initial  
AWARDING SPONSOR: Office of Naval Research  
TITLE: Beryllium-7 as a tracer of solar heating of the surface waters of the Arctic  
AWARD: $78,971

PI: Sakhrat Khizroev  
ELEC AND COMPUTER ENG  
Award Action Type: Initial  
AWARDING SPONSOR: Innovelix Inc  
TITLE: Simultaneous Wireless Powering and Communication of Wearable Sensors  
AWARD: $67,498

PI: Laird H Kramer  
STEM INSTITUTE  
Award Action Type: Increase  
AWARDING SPONSOR: Howard Hughes Medical Institute  
TITLE: Collaborative for Institutionalizing Scientific Learning at FIU  
AWARD: $300,000

PI: Bruce Mc Cord  
CHEMISTRY  
Award Action Type: Initial  
AWARDING SPONSOR: Pressure BioSciences Inc  
TITLE: Development of PCT-Base Rape Kits  
AWARD: $70,000
PI: Adriana G McEachern
COE LEADERSHIP AND PROF STU
Award Action Type: Initial
AWARDING SPONSOR: U.S. Department of Education
TITLE: Training "Worlds Ahead" Vocational Rehabilitation Counselors at FIU AWARD: $ 180,000

PI: Osama A Mohammed
ELEC AND COMPUTER ENG
Award Action Type: Initial
AWARDING SPONSOR: University of Arkansas
TITLE: An Interdisciplinary Approach to Integratable, Composable AWARD: $ 75,000

PI: Norman D Munroe
OSAS ENGINEERING AND COMPUTING
Award Action Type: Increase
AWARDING SPONSOR: National Action Council for Minorities
TITLE: NACME Initiative at Florida International University AWARD: $ 18,000

PI: Edward P Murray
METROPOLITAN CENTER
Award Action Type: Initial
AWARDING SPONSOR: Haitian American Community Dev Corp
TITLE: Little Haiti Housing Community Needs Assessment AWARD: $ 15,400

PI: Maria Olenick
NURSING FEP BBC
Award Action Type: Increase
AWARDING SPONSOR: U.S. Department of Veterans Affairs
TITLE: VA Nursing Academic Partnership Program (VANAP) AWARD: $ 546,094

PI: William E Pelham Jr
CENTER FOR CHILDREN AND FAM
Award Action Type: Initial
AWARDING SPONSOR: University at Buffalo SUNY
TITLE: Enhancing Father Engagement to Promote Social, Behavioral AWARD: $ 194,410

PI: Rene Price
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: South Florida Water Management District
TITLE: LILA: Phase V: Loxahatchee Impoundment Landscape Assessment AWARD: $ 24,664

PI: Gang Quan
ELEC AND COMPUTER ENG
Award Action Type: Initial
AWARDING SPONSOR: University of California Riverside
TITLE: CSR: Small: Collaborative Research AWARD: $ 56,843

PI: Gang Quan
ELEC AND COMPUTER ENG
Award Action Type: Initial
AWARDING SPONSOR: University of California Riverside
TITLE: CSR: Small: Collaborative Research: Making Virtualized Data Center AWARD: $ 8,000
PI: Joseph Raiker Jr  
**PSYCHOLOGY**

*Award Action Type: Initial*

**AWARDING SPONSOR:** Brain and Behavior Research Foundation  
**TITLE:** The Utility of Cognitive Subgroups in Predicting Treatment Response  
**AWARD:** $35,000

PI: Michael S Ross  
**SOUTHEAST ENV RESEARCH CTR**

*Award Action Type: Increase*

**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** LILA: Phase V: Loxahatchee Impoundment Landscape Assessment  
**AWARD:** $48,049

PI: Leonard Scinto  
**SOUTHEAST ENV RESEARCH CTR**

*Award Action Type: Increase*

**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** LILA: Phase V: Loxahatchee Impoundment Landscape Assessment  
**AWARD:** $97,286

PI: Markus L Thiel  
**SIPA**

*Award Action Type: Initial*

**AWARDING SPONSOR:** European Commission  
**TITLE:** Miami Florida Jean Monnet Centre of Excellence (MF-JMCE)  
**AWARD:** $20,000

PI: Joel Trexler  
**SOUTHEAST ENV RESEARCH CTR**

*Award Action Type: Initial*

**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** Quantification of the aquatic faunal community and its effect  
**AWARD:** $212,307

PI: Tiffany Troxler  
**SOUTHEAST ENV RESEARCH CTR**

*Award Action Type: Increase*

**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** Ecological Monitoring of Water and Habitat Quality Associated with  
**AWARD:** $135,000

PI: Yi Xiao  
**CHEMISTRY**

*Award Action Type: Initial*

**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** Electrochemical and Colorimetric Aptamer-Based Sensors for Rapid  
**AWARD:** $50,000

PI: Keqi Zhang  
**INTERNATIONAL HURRICANE CENTER**

*Award Action Type: Initial*

**AWARDING SPONSOR:** National Oceanic and Atmospheric Admin  
**TITLE:** Transition of the Coastal and Estuarine Storm Tide Model to  
**AWARD:** $131,566

**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>
</tr>
</thead>
<tbody>
<tr>
<td>Andrés G. Gil</td>
<td>Vice President for Research</td>
<td><a href="mailto:Andres.gil@fiu.edu">Andres.gil@fiu.edu</a></td>
</tr>
<tr>
<td>Tonja Moore</td>
<td>Associate Vice President for Research Strategic Planning &amp; Operations</td>
<td><a href="mailto:Tonja.moore@fiu.edu">Tonja.moore@fiu.edu</a></td>
</tr>
<tr>
<td>Luis P. Salas</td>
<td>Associate Vice President for Research</td>
<td><a href="mailto:Luis.salas@fiu.edu">Luis.salas@fiu.edu</a></td>
</tr>
<tr>
<td>Mirtha Alberto</td>
<td>Director, Budget &amp; Cost Analysis</td>
<td><a href="mailto:Mirtha.alberto@fiu.edu">Mirtha.alberto@fiu.edu</a></td>
</tr>
<tr>
<td>Henry Artigues</td>
<td>Director, External Partnerships &amp; Economic Development</td>
<td><a href="mailto:Henry.artigues@fiu.edu">Henry.artigues@fiu.edu</a></td>
</tr>
<tr>
<td>David Driesbach</td>
<td>Assistant Vice President, Research Information Systems</td>
<td><a href="mailto:David.driesbach1@fiu.edu">David.driesbach1@fiu.edu</a></td>
</tr>
<tr>
<td>Christopher Grayson</td>
<td>Director, Research Integrity</td>
<td><a href="mailto:Christopher.grayson@fiu.edu">Christopher.grayson@fiu.edu</a></td>
</tr>
<tr>
<td>Emily Gresham</td>
<td>Assistant Vice President, Innovation &amp; Economic Development</td>
<td><a href="mailto:Emily.gresham@fiu.edu">Emily.gresham@fiu.edu</a></td>
</tr>
<tr>
<td>Robert Gutierrez</td>
<td>Assistant Vice President, Pre-Award</td>
<td><a href="mailto:Robert.gutierrez@fiu.edu">Robert.gutierrez@fiu.edu</a></td>
</tr>
<tr>
<td>Pedro Hernández</td>
<td>Director, Technology Management &amp; Commercialization</td>
<td><a href="mailto:Pedro.hernandez7@fiu.edu">Pedro.hernandez7@fiu.edu</a></td>
</tr>
<tr>
<td>Maureen Pelham</td>
<td>Director, Research Development</td>
<td><a href="mailto:Maure.pelham@fiu.edu">Maure.pelham@fiu.edu</a></td>
</tr>
<tr>
<td>Aida Reus</td>
<td>Director, Post-Award</td>
<td><a href="mailto:Aida.reus@fiu.edu">Aida.reus@fiu.edu</a></td>
</tr>
<tr>
<td>Horatiu Vinerean</td>
<td>Director, Laboratory Animal Research; Attending Veterinarian</td>
<td><a href="mailto:Horatiu.vinerean@fiu.edu">Horatiu.vinerean@fiu.edu</a></td>
</tr>
<tr>
<td>Susan Webster</td>
<td>Director, Training &amp; International Research Initiatives</td>
<td><a href="mailto:Susan.webster@fiu.edu">Susan.webster@fiu.edu</a></td>
</tr>
</tbody>
</table>

OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT
11200 SW 8th Street
MARC 430
Miami, FL 33199
http://research.fiu.edu

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