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 Imaging 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 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 analysis
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
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