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ORED Communicator - December 2015

Office of Economic Research and Development, Florida International University

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ORED recognizes research faculty honors and highlights

December 2015 Issue

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Peace on Earth



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

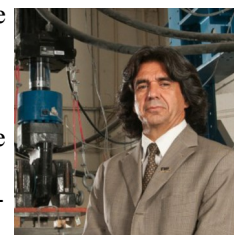
national prominence as experts on adolescence. Dr. Trucco, who joined FIU's Center for Children and Families in August 2015 immediately after completing a postdoctoral research fellowship at the University of Michigan, is establishing an interdisciplinary program of research focused on increased understanding 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 re-



spective 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 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

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: FPHL Model Operation and Maintenance, and Model Upgrades: **AWARD:** \$ 292,413

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

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