Late last month, FIU’s Center for Advanced Technology and Education (CATE) was awarded a grant from the National Science Foundation’s (NSF) highly respected Major Research Instrumentation (MRI) Program. Through the MRI program, NSF provides funds to research-intensive learning environments, such as CATE, that promote the development of a diverse workforce, pioneer next generation instrumentation, and facilitate academic/private sector partnerships. In addition to meeting or exceeding all of NSF’s expectations for this grant program, FIU’s project received exceptionally high scores for innovation, intellectual merit, and broader impact.

At FIU, NSF funds will be used to build an integrated neuroimaging instrument with specialized software and unique hardware designs that will elicit new understanding of the functional mappings of the brain in its normal and pathology states. Building on the respective research strengths of its multidisciplinary project team, FIU’s instrumentation project focuses on epilepsy, Alzheimer’s disease, and Attention Deficit/Hyperactivity Disorder (ADD/ADHD) and related cognitive challenges, yielding large, valuable databases that will be shared with the scientific community.

Over time, it is expected that the instrument will also facilitate research applications to other neurological disorders, such as Parkinson’s disease, using novel hardware interfaces and related software modules and protocols.

FIU’s MRI project truly represents a multidisciplinary, multi-site collaboration, relying on expertise from FIU’s departments of Electrical and Computer Engineering, Computer Science, Physics, Biostatistics, and Psychology and its Herbert Wertheim College of Medicine; local research partners, including Nicklaus Children’s Hospital, Baptist Hospital, University of Miami Miller School of Medicine, Wien Center for Alzheimer’s Disease & Memory Disorders at Mount Sinai Medical Center; and national partners with which FIU has fostered enduring collaborations, including the Children’s National Medical Center (Washington D.C.) and the neurology department at Oregon Health & Science University.

The Principal Investigator on the NSF MRI grant is Malek Adjouadi, PhD, Professor of Electrical and Computer Engineering, and Director of CATE. With support from NSF and the Ware Foundation, CATE fosters a cross-disciplinary research and education program that intersects the fields of applied information processing, human/brain-computer interfaces, and neuroscience, yielding new methodologies and scientific discoveries. Since its inception in 1991, CATE has educated and trained 37 PhD students, 57 MS students, and 93 undergraduate students, a significant percentage of whom are minorities under-represented in the sciences.

In addition to aligning with The White House BRAIN initiative, FIU’s MRI project will advance FIU BeyondPossible2020. The consolidated infrastructure for neuroimaging created by this award will support development of new investigator-initiated funding, expand education and training opportunities for Ph.D. students and research staff/postdoctoral fellows, and generate a skilled workforce well prepared to apply engineering and computing knowledge to the fields of medicine and the biosciences.
Upcoming Events

October 2015

- October 1, 11 to 12 pm, WC-130, Network and Circuit Dysregulation in Drug Addiction: Towards an imaging biomarker for addiction, presented by Elliot A. Stein
- October 2, 9 to 10 am, EC 2300, Construction of Convenient Biosensors Based on Optical Techniques, presented by Qiaoli Yue
- October 2, 11 to 12 pm, ECS 143, Medicinal, Aromatic and Poisonous Plants, presented by Miguel Cisneros-Abreu
- October 3, 3 to 5 pm, FIU Patrician & Phillip Frost Art Museum, Panel Discussion: There are no other Everglades in the world.
- October 5, 3 to 4 pm, WC 130, Sweet on Anti-sweeteners: From Taste to Endocrine System, presented by Emeline Maillet
- October 7 and 8, Faculty Club, Faculty Mentor Program Networking Lunch—RSVP to mentor@fiu.edu
- October 9, 3 to 5 pm, PC 310, Diamonds, Plants, Agro-Mining and Remediation, presented by Stephen Haggerty
- October 14, 1 to 2 pm, AHC2 #170, Novel Contrast Mechanisms for MR Imaging of Cancer, presented by Gigi Galiana, additional information available at http://biomolecular.fiu.edu
- October 14, 2:30 to 4:30pm, CBC # 140, IRB Training—Obtaining Approval, presented by Eliza J. Gomez (ORED Research Integrity)
- October 16, 9 to 10 am, EC 2300, Intra-Operative OCT Imaging Devices for Clinical Translation, presented by Yu Chen
- October 16, 2 to 4 pm, AHC4 #402, Women Faculty Networking Event—specific details will be forthcoming for this event and available at sish.fiu.edu
- October 21, 2:30 to 4:30pm, CBC # 140, IACUC Ethics in Animal Research, presented by Eliza J. Gomez (ORED Research Integrity)
- October 23, 9 to 10 am, EC 2300, Democratization of Next-Generation Imaging, Sensing and Diagnostics Tools through Computational Photonics, presented by Aydogan Ozcan
- October 23, 12 to 1 pm, WC 103, In the War Against Solid Tumors Arsenic Trioxide Need Partners, presented by Subbarayan Pochi
- October 27, 3:30 to 4:45 pm, AHC4 #402, Faculty Mentor Program—Tips to Tenure and Promotion Workshop

November 2015

- November 4, 2:30 to 4:30pm, CBC #140, IRB Training—Managing Approved Protocols, presented by Eliza J. Gomez (ORED Research Integrity)
- November 6, 9 to 10 am, EC 2300, Combining EEG and fMRI to Study Epileptic Foci and Networks, presented by Jean Gotman
- November 6, 2 to 3 pm, ECS 241, Cyber Security, presented by Bhavani Thuraisingham
- November 6, 3 to 5 pm, PC 310, Global Oxygen Models: Constraints from the Record of the Global Coal and Oil Reserves and the Evolution of the Larger Benthic Foraminifera, presented by Vladimir Davydov
- November 13, 9 to 10 am, EC 2300, Optical Clearing of Biological Tissues, presented by Bernard Choi
- November 18, TBD, lecture by Dr. Vahid Majidi, Deputy Assistant Secretary of Defense for Nuclear Matters
- November 20, 9 to 10 am, TBD, Microfluidic Devices and Systems: Biomedical Engineering from the Bottom Up, presented by Abraham Lee
Awards Received—August 2015

FIU researchers were awarded $14,605,385 in August 2015. Below is a listing of awards received.

PI: Iqbal Akhtar
**RELIGIOUS STUDIES**
Award Action Type: Initial
**AWARDING SPONSOR:** British Library
**TITLE:** Digitization of Gujarati materials at the Zanzibar National Archives  
**AWARD:** $ 41,241

PI: Kemal Akkaya
**ELEC AND COMPUTER ENG**
Award Action Type: Initial
**AWARDING SPONSOR:** National Science Foundation
**TITLE:** TWC TTP: Small: Collaborative: Privacy-Preserving Data Collection  
**AWARD:** $ 198,055

PI: Jose R Almirall
**INT FORENSIC RSCH INSTITUTE**
Award Action Type: Initial
**AWARDING SPONSOR:** National Science Foundation
**TITLE:** I-Corps Team Development - Analytical Chemistry for Everyone Using CMV  
**AWARD:** $ 40,767

PI: Joann Arnowitz
**JEWISH MUSEUM OF FLORIDA-FIU**
Award Action Type: Initial
**AWARDING SPONSOR:** Florida Division of Cultural Affairs
**TITLE:** General Operating Support for JMOF 2015-2016  
**AWARD:** $ 68,426

PI: Daniel Bagner
**CENTER FOR CHILDREN AND FAM**
Award Action Type: Initial
**AWARDING SPONSOR:** Child Health and Human Development
**TITLE:** Internet Treatment for Behavior Problems in Preschoolers with Dev Delay  
**AWARD:** $ 522,201

PI: Eric Bishop-Von Wettberg
**INT’L CTR FOR TROPICAL BOTANY**
Award Action Type: Initial
**AWARDING SPONSOR:** National Park Service
**TITLE:** Conservation Genetics of South Florida Tephrosia  
**AWARD:** $ 12,607

PI: Kevin Mershon Boswell
**BIOLOGY**
Award Action Type: Initial
**AWARDING SPONSOR:** Nova Southeastern University
**TITLE:** DEEPEND: Deep-Pelagic Nekton Dynamics of the Gulf of Mexico  
**AWARD:** $ 100,561

PI: Kevin Mershon Boswell
**BIOLOGY**
Award Action Type: Increase
**AWARDING SPONSOR:** Industrial Economics Inc
**TITLE:** Analysis of acoustic data from Deep Water Horizon  
**AWARD:** $ 46,482
PI: Lakhdar Boukerrou  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** SRA International Inc.  
**TITLE:** US EPA Scoping Mission Support  
**AWARD:** $ 5,500

PI: Heather Bracken-Grissom  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Nova Southeastern University  
**TITLE:** DEEPEND: Deep-Pelagic Nekton Dynamics of the Gulf of Mexico  
**PI:** Henry Briceno  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Islamorada, Village of Islands  
**TITLE:** Water Quality Monitoring Program for the Village of Islamorada  
**AWARD:** $ 18,111

PI: Deron Burkepile  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Fish and Wildlife Conservation  
**TITLE:** Impacts of sedimentation on herbivory and the control of algal  
**AWARD:** $ 103,735

PI: Amaury A Caballero  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Public Schools  
**TITLE:** Electrical Wiring Program for SED Students  
**AWARD:** $ 77,000

PI: Bogdan O.P. Carbunar  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** TWC: Small: Collaborative: Cracking Down Online Deception Ecosystems  
**AWARD:** $ 249,652

PI: Bogdan O.P. Carbunar  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** CSR: Small: Collaborative Research: Sensorprint: Hardware-Enforced  
**AWARD:** $ 249,652

PI: Yisell Cirion  
**STUDENT AFFAIRS VICE PRES OFF**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Peace Corps  
**TITLE:** Peace Corps Strategic Recruiter  
**AWARD:** $ 20,820

PI: Peter J Clarke  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Project: Engaged Student Learning - Design and Development Level II: Impact of Learning and Engagement Strategies  
**AWARD:** $ 572,579
PI: Peter J Clarke
**COMPUTER INFO SCIENCES**
Award Action Type: Initial
AWARDING SPONSOR: National Science Foundation
TITLE: Collaborative Project: Engaged Student Learning - Design AWARD: $ 42,060

PI: Elizabeth Cramer
**COE TEACHING AND LEARNING**
Award Action Type: Initial
AWARDING SPONSOR: U.S. Department of Education
TITLE: Project OPERATE AWARD: $ 81,250

PI: Elizabeth Cramer
**COE TEACHING AND LEARNING**
Award Action Type: Initial
AWARDING SPONSOR: U.S. Department of Education
TITLE: Project OPERATE AWARD: $ 168,750

PI: Todd Croadl
**SOUTHEAST ENV RESEARCH CTR**
Award Action Type: Increase
AWARDING SPONSOR: National Park Service
TITLE: Provide office services and operational technical support AWARD: $ 449,667

PI: Brian Fonseca
**LATIN AMERICAN AND CARIB CTR**
Award Action Type: Pre-Award
AWARDING SPONSOR: CACI International Inc
TITLE: CERDEC Flight Activity (CFA) System Engineering Support AWARD: $ 10,000

PI: James Fourqurean
**SOUTHEAST ENV RESEARCH CTR**
Award Action Type: Initial
AWARDING SPONSOR: National Park Service
TITLE: The South Florida Caribbean Inventory and Monitoring Network Youth AWARD: $ 47,536

PI: Thomas A Frankovich
**SOUTHEAST ENV RESEARCH CTR**
Award Action Type: Initial
AWARDING SPONSOR: National Park Service
TITLE: Linkages of Water Quality, Submerged Aquatic Vegetation AWARD: $ 79,998

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: Daniel Gann
**LIBRARY OPERATIONS**
Award Action Type: Continuation
AWARDING SPONSOR: National Park Service
TITLE: The South Florida Caribbean Inventory and Monitoring Network AWARD: $ 18,554

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
PI: Gail Gregg  
**COE TEACHING AND LEARNING**  
Award Action Type: Initial  
AWARDING SPONSOR: Early Learning Coalition of Dade/Monroe  
TITLE: Quality Rating Improvement System 2015-2016  
**AWARD:** $955,000

PI: Mary Helen Hayden  
**SCHOOL OF SOCIAL WORK**  
Award Action Type: Increase  
AWARDING SPONSOR: University of Miami  
TITLE: SBIRT Collaboration  
**AWARD:** $16,000

PI: Rosemary Hickey  
**EARTH AND ENVIRONMENT**  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation  
TITLE: Collaborative Research: Geochemistry of IODP Site 1438  
**AWARD:** $159,014

PI: Haiyan Jiang  
**EARTH AND ENVIRONMENT**  
Award Action Type: Initial  
AWARDING SPONSOR: National Oceanic and Atmospheric Admin  
TITLE: Improvement and Implementation of the Probability-based  
**AWARD:** $83,277

PI: Ranu Jung  
**BIOMEDICAL ENGINEERING**  
Award Action Type: Increase  
AWARDING SPONSOR: National Institutes of Health  
TITLE: CRCNS: Computation-Enabled Adaptive Ventilatory Control  
**AWARD:** $173,341

PI: Ranu Jung  
**BIOMEDICAL ENGINEERING**  
Award Action Type: Increase  
AWARDING SPONSOR: National Institutes of Health  
TITLE: CRCNS: Computation-Enabled Adaptive Ventilatory Control  
**AWARD:** $20,742

PI: Konstantinos Kavallieratos  
**ARC APPLIED RESEARCH CENTER**  
Award Action Type: Increase  
AWARDING SPONSOR: Savannah River Nuclear Solutions LLC  
TITLE: Development of an Alternative Solvent Extraction Technology  
**AWARD:** $86,668

PI: Laird H Kramer  
**STEM INSTITUTE**  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation  
TITLE: Collaborative Research: Beyond Active Learning: LA  
**AWARD:** $359,774

PI: Leonel E Lagos  
**ARC APPLIED RESEARCH CENTER**  
Award Action Type: Supplemental  
AWARDING SPONSOR: Office of Environmental Management  
TITLE: Research Support to the DOE OEM Chemical Process Alternatives  
**AWARD:** $224,704
PI: Leonel E Lagos  
**ARC APPLIED RESEARCH CENTER**  
Award Action Type: Supplemental  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** Research Support to the DOE OEM Environmental Remediation Scie  
**AWARD:** $224,704

PI: Leonel E Lagos  
**ARC APPLIED RESEARCH CENTER**  
Award Action Type: Supplemental  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** Research Support to the DOE OEM Waste and D&D Engineering  
**AWARD:** $370,329

PI: Leonel E Lagos  
**ARC APPLIED RESEARCH CENTER**  
Award Action Type: Supplemental  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** Research Support to the DOE OEM DOE-FIU Science and Technology  
**AWARD:** $2,963

PI: Angela Marie Richmond Laird  
**PHYSICS**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Exploring the Neural Mechanisms of Physics Learning  
**AWARD:** $212,671

PI: Thomas G Leness  
**MATH AND STATISTICAL SCIENCES**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Instantons, monopoles, and relations  
**AWARD:** $136,637

PI: Robert Lickliter  
**OFFICE OF RSCH AND ECO DEVELOP**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** General Medical Sciences  
**TITLE:** MBRS Research Initiative for Scientific Enhancement: FIU MBRS  
**AWARD:** $133,405

PI: Robert Lickliter  
**OFFICE OF RSCH AND ECO DEVELOP**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** General Medical Sciences  
**TITLE:** MBRS Research Initiative for Scientific Enhancement:  
**AWARD:** $835,194

PI: Christine Lisetti  
**COMPUTER INFO SCIENCES**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** CHS: Small: Advanced Design Principles for Computer Simulated Agents  
**AWARD:** $154,914

PI: Hong Liu  
**EARTH AND ENVIRONMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Naples Orchid Society  
**TITLE:** Preliminary study of symbiotic fungal associations at different habitats  
**AWARD:** $1,000
PI: Purnima Madhivanan
**Epidemiology**
*Award Action Type:* Pre-Award
*AWARDING SPONSOR:* University of California Berkeley
*TITLE:* Global Health Fellows and Scholars Program  
*AWARD:* $15,000

PI: Dwayne McDaniel
**ARC Applied Research Center**
*Award Action Type:* Continuation
*AWARDING SPONSOR:* Federal Aviation Administration
*TITLE:* Effect of Surface Contamination on Composite Bond Integrity and Durability  
*AWARD:* $75,000

PI: Maria Jose Miguez Perez
**SISH**
*Award Action Type:* Pre-Award
*AWARDING SPONSOR:* University of Florida
*TITLE:* Pharmacotherapy for alcohol consumption in HIV positive women:  
*AWARD:* $20,953

PI: Maria Jose Miguez Perez
**SISH**
*Award Action Type:* Pre-Award
*AWARDING SPONSOR:* University of Florida
*TITLE:* Southern HIV and Alcohol Research Consortium - SHARC  
*AWARD:* $20,869

PI: Maria Jose Miguez Perez
**SISH**
*Award Action Type:* Continuation
*AWARDING SPONSOR:* National Institutes of Health
*TITLE:* Role of BNDF on Risk Behavior Decision Making  
*AWARD:* $217,467

PI: Francisco Mora
**Latin American and Carib Ctr**
*Award Action Type:* Increase
*AWARDING SPONSOR:* U.S. Department of Education
*TITLE:* LACC National Resource Centers (NRC) and Foreign Language  
*AWARD:* $225,000

PI: Francisco Mora
**Latin American and Carib Ctr**
*Award Action Type:* Increase
*AWARDING SPONSOR:* U.S. Department of Education
*TITLE:* Foreign Language and Area Studies (FLAS) Fellowships  
*AWARD:* $276,000

PI: Norman D Munroe
**OSAS Engineering and Computing**
*Award Action Type:* Supplemental
*AWARDING SPONSOR:* Florida Agricultural and Mechanical Univ
*TITLE:* Florida Georgia Louis Stokes for Minority Participation (FGLSAMP)  
*AWARD:* $7,500

PI: Norman D Munroe
**OSAS Engineering and Computing**
*Award Action Type:* Supplemental
*AWARDING SPONSOR:* Florida Agricultural and Mechanical Univ
*TITLE:* Florida Georgia Louis Stokes for Minority Participation (FGLSAMP)  
*AWARD:* $25,000
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: $ 500

PI: Norman D Munroe
OSAS ENGINEERING AND COMPUTING
Award Action Type: Initial
AWARDING SPONSOR: Children's Trust
TITLE: FIU-ENLACE 15-16
AWARD: $ 99,590

PI: William E Pelham Jr
CENTER FOR CHILDREN AND FAMILY
Award Action Type: Continuation
AWARDING SPONSOR: University of Pittsburgh
TITLE: Neural Correlates of symptoms and functioning in young adults
AWARD: $ 39,436

PI: William E Pelham Jr
CENTER FOR CHILDREN AND FAMILY
Award Action Type: Continuation
AWARDING SPONSOR: National Institute on Drug Abuse
TITLE: Intervention for Teens with ADHD and Substance Use
AWARD: $ 570,518

PI: Niki J Pissinou
COMPUTER INFO SCIENCES
Award Action Type: Increase
AWARDING SPONSOR: Air Force Office of Scientific Research
TITLE: Using Trajectory Sensor Data Stream Cleaning to Ensure the
AWARD: $ 151,298

PI: Sean Antonio Prospect
COE COMMUNITY ENGAGEMENT
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Education
TITLE: Project PANTHER (FIU After-School All-Stars) 2015-2016
AWARD: $ 319,770

PI: Sean Antonio Prospect
COE COMMUNITY ENGAGEMENT
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Education
TITLE: Project PRIDE (FIU After School All-Stars) 2015-2016
AWARD: $ 213,750

PI: Sean Antonio Prospect
COE COMMUNITY ENGAGEMENT
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Education
TITLE: Project HOPE (FIU After-School All-Stars program) 2015-2016
AWARD: $ 273,259

PI: Sean Antonio Prospect
COE COMMUNITY ENGAGEMENT
Award Action Type: Initial
AWARDING SPONSOR: Florida Department of Education
TITLE: Project SILVER (FIU After-School All-Stars) 2015-2016
AWARD: $ 427,660
<table>
<thead>
<tr>
<th>PI:</th>
<th>Sean Antonio Prospect</th>
<th>Award Action Type: Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>COE DEANS OFFICE</td>
<td>AWARDING SPONSOR: After-School All Stars</td>
<td>TITLE: Project SUPPORT (FIU After-School All-Stars) 2015-2016</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PI:</th>
<th>Jean Rahier</th>
<th>Award Action Type: Continuation</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PI:</th>
<th>Jorge Javier Riera Diaz</th>
<th>Award Action Type: Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOMEDICAL ENGINEERING</td>
<td>AWARDING SPONSOR: National Science Foundation</td>
<td>TITLE: Collaborative Research: Cortical Spreading Depression and Ionic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PI:</th>
<th>Naphtali D Rishe</th>
<th>Award Action Type: Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPUTER INFO SCIENCES</td>
<td>AWARDING SPONSOR: National Science Foundation</td>
<td>TITLE: I/UCRC Phase II: Center for Advanced Knowledge Enablement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PI:</th>
<th>Suzanna Rose</th>
<th>Award Action Type: Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOMENS STUDIES CENTER</td>
<td>AWARDING SPONSOR: Children's Trust</td>
<td>TITLE: TripleP4YOU</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PI:</th>
<th>Suzanna Rose</th>
<th>Award Action Type: Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOMENS STUDIES CENTER</td>
<td>AWARDING SPONSOR: Children's Trust</td>
<td>TITLE: PAT4YOU</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PI:</th>
<th>Michael S Ross</th>
<th>Award Action Type: Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUTHEAST ENV RESEARCH CTR</td>
<td>AWARDING SPONSOR: National Park Service</td>
<td>TITLE: Ecosystem dynamics in the White Zone: history, drivers,</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PI:</th>
<th>Jay Sah</th>
<th>Award Action Type: Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUTHEAST ENV RESEARCH CTR</td>
<td>AWARDING SPONSOR: National Park Service</td>
<td>TITLE: Vegetation study within the current and adjoining potential habitat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PI:</th>
<th>Arif Islam Sarwat</th>
<th>Award Action Type: Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTERNAL PROGRAMS ENG AND COMP</td>
<td>AWARDING SPONSOR: National Science Foundation</td>
<td>TITLE: CRISP Type 2: Collaborative Research: Towards Resilient Smart Cities</td>
</tr>
</tbody>
</table>
PI: Shimelis Gebriye Setegn  
**Envi and Occupational Health**  
Award Action Type: Continuation  
AWARDING SPONSOR: University of Puerto Rico  
TITLE: Human Impacts to Coastal Ecosystems in Puerto Rico (HICE-PR):  
AWARD: $37,774

PI: Ernest Simms  
**Student Affairs Vice Pres Off**  
Award Action Type: Continuation  
AWARDING SPONSOR: U.S. Department of Education  
TITLE: Upward Bound Math-Science 12-17: Upward Bound Math-Science  
AWARD: $225,269

PI: Ernest Simms  
**Student Affairs Vice Pres Off**  
Award Action Type: Continuation  
AWARDING SPONSOR: U.S. Department of Education  
TITLE: Upward Bound Math-Science 12-17: Subproject  
AWARD: $24,694

PI: Ernest Simms  
**Student Access and Success**  
Award Action Type: Initial  
AWARDING SPONSOR: Florida Department of Education  
AWARD: $370,642

PI: Ernest Simms  
**Student Affairs Vice Pres Off**  
Award Action Type: Continuation  
AWARDING SPONSOR: U.S. Department of Education  
TITLE: McNair 2012-2017  
AWARD: $230,996

PI: Philip Stoddard  
**Biology**  
Award Action Type: Increase  
AWARDING SPONSOR: National Science Foundation  
TITLE: Assessment of paradoxical signal reliability  
AWARD: $298,000

PI: Philip Stoddard  
**Biology**  
Award Action Type: Increase  
AWARDING SPONSOR: National Science Foundation  
TITLE: Assessment of paradoxical signal reliability  
AWARD: $12,000

PI: Bethany Catherine Sutherland  
**Center for Children and Fam**  
Award Action Type: Initial  
AWARDING SPONSOR: Child Health and Human Development  
TITLE: Effects of Social Cues on Learning and Memory during Early Infancy  
AWARD: $72,500

PI: Joel Trexler  
**Southeast Env Research Ctr**  
Award Action Type: Initial  
AWARDING SPONSOR: National Park Service  
TITLE: Freshwater fish monitoring in Water Conservation Area 3 and  
AWARD: $221,000
PI: Joel Trexler  
SOUTHEAST ENV RESEARCH CTR  
Award Action Type: Initial  
AWARDING SPONSOR: National Park Service  
TITLE: Analyzing the Impact of Changing Hydrologic Conditions  
AWARD: $ 158,000

PI: Ines R Triay Melendez  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Increase  
AWARDING SPONSOR: Vector Resources Inc  
TITLE: Technical Support for VRI for NMED WIPP: Technical Support VRI  
AWARD: $ 10,956

PI: Ines R Triay Melendez  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Increase  
AWARDING SPONSOR: Vector Resources Inc  
TITLE: Technical Support for VRI for NMED WIPP: Sub-project  
AWARD: $ 2,003

PI: Tiffany Troxler  
SOUTHEAST ENV RESEARCH CTR  
Award Action Type: Increase  
AWARDING SPONSOR: National Park Service  
TITLE: Ecological Assessment of Florida Bay and adjacent Mangrove Wetlands  
AWARD: $ 148,000

PI: Elisa Trucco  
CENTER FOR CHILDREN AND FAM  
Award Action Type: Initial  
AWARDING SPONSOR: Alcohol Abuse and Alcoholism  
TITLE: Environment, Genes, and Temperament on the Development  
AWARD: $ 167,549

PI: Feion M Villodas  
CENTER FOR CHILDREN AND FAM  
Award Action Type: Pre-Award  
AWARDING SPONSOR: Children's Trust  
TITLE: After-school support program for youth at-risk for behavior problems  
AWARD: $ 42,128

PI: Anna H Wachnicka Kosiorek  
SOUTHEAST ENV RESEARCH CTR  
Award Action Type: Initial  
AWARDING SPONSOR: U.S. Geological Survey  
TITLE: Effects of Sea Level Rise, Climate Variability and Humans on Coastal  
AWARD: $ 35,000

PI: Chunlei Wang  
MECHANICAL AND MAT ENGINEERING  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation  
TITLE: 3D On-Chip Hybrid Micropower  
AWARD: $ 277,695

PI: Oren Dale Williams  
BIOSTATISTICS  
Award Action Type: Continuation  
AWARDING SPONSOR: National Institutes of Health  
TITLE: Strengthening Indian NCD Clinical Research and Training Capacity  
AWARD: $ 217,877
**PI:** Ming Zhao  
**Computer Info Sciences**  
**Award Action Type:** Increase  
**Awarding Sponsor:** National Science Foundation  
**Title:** CAREER: Holistic Resource Management Framework  
**Award:** $ 80,857

**PI:** Ming Zhao  
**Computer Info Sciences**  
**Award Action Type:** Increase  
**Awarding Sponsor:** National Science Foundation  
**Title:** CAREER: Holistic Resource Management Framework:  
**Award:** $ 500

**PI:** Ping Zhu  
**International Hurricane Center**  
**Award Action Type:** Increase  
**Awarding Sponsor:** National Oceanic and Atmospheric Admin  
**Title:** Understanding the impact of sub-grid scale physics in HWRF  
**Award:** $ 133,090

### Limited Submission Funding Opportunities

Below are limited submission opportunities with upcoming internal deadlines. Other limited submission funding opportunities are at [http://research.fiu.edu/funding/pages/limited-submissions.html](http://research.fiu.edu/funding/pages/limited-submissions.html).

<table>
<thead>
<tr>
<th>Agency</th>
<th>Program Description</th>
<th>Institutional Submission Limits</th>
<th>Internal Deadline</th>
<th>Agency Deadline</th>
</tr>
</thead>
</table>
Agency Deadline: Institutional Transformation (IT): 01/20/2016 |
| NSF    | National Science Foundation Research Traineeship (NRT) Program (NSF 15-542) | 3 proposals per organization | 10/26/2015 | LOI due 12/22/2015; proposal due 2/22/2016 |
| NIH    | Neuroscience Development for Advancing the Careers of a Diverse Workforce (R25) PAR-13-256 | Only one application per institution. Note that NINDS recommends that potential applications contact NINDS program officials before preparing applications. | 10/26/15 | Option LOI due 12/26/2015; proposal due 1/26/2016 |

### 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](http://research.fiu.edu)

For updates, corrections, suggestions, and/or general comments, please email [Mercedes.rodriguez@fiu.edu](mailto:Mercedes.rodriguez@fiu.edu)