

**October 2015
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NSF's Major Research Instrumentation Grant Awarded to CATE

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.



Malek Adjouadi explains his research to John P. Holdren, Director of the White House Office of Science and Technology

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.



Mercedes Cabrerizo, Co-PI on the NSF MRI grant

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. CATE has also supported eight postdoctoral researchers and mentored students to obtain 10 prestigious graduate fellowships (NSF-GRFP [8 students], National Defense Science and Engineering Graduate [1], and Intel Corporation [1]).

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 **AWARD:** \$ 136,792

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 Crowl
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

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 FAM
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 FAM
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

PI: Sean Antonio Prospect
COE DEANS OFFICE
Award Action Type: Initial
AWARDING SPONSOR: After-School All Stars
TITLE: Project SUPPORT (FIU After-School All-Stars) 2015-2016 **AWARD:** \$ 14,333

PI: Jean Rahier
AFRICAN AND AFR DIASPORA STU
Award Action Type: Continuation
AWARDING SPONSOR: U.S. Department of Education
TITLE: Expanding and Developing African Studies at FIU **AWARD:** \$ 94,787

PI: Jorge Javier Riera Diaz
BIOMEDICAL ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: National Science Foundation
TITLE: Collaborative Research: Cortical Spreading Depression and Ionic **AWARD:** \$ 165,000

PI: Naphtali D Rishe
COMPUTER INFO SCIENCES
Award Action Type: Increase
AWARDING SPONSOR: National Science Foundation
TITLE: I/UCRC Phase II: Center for Advanced Knowledge Enablement **AWARD:** \$ 71,750

PI: Suzanna Rose
WOMENS STUDIES CENTER
Award Action Type: Initial
AWARDING SPONSOR: Children's Trust
TITLE: TripleP4YOU **AWARD:** \$ 42,763

PI: Suzanna Rose
WOMENS STUDIES CENTER
Award Action Type: Initial
AWARDING SPONSOR: Children's Trust
TITLE: PAT4YOU **AWARD:** \$ 58,088

PI: Michael S Ross
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Initial
AWARDING SPONSOR: National Park Service
TITLE: Ecosystem dynamics in the White Zone: history, drivers, **AWARD:** \$ 102,575

PI: Jay Sah
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Initial
AWARDING SPONSOR: National Park Service
TITLE: Vegetation study within the current and adjoining potential habitat **AWARD:** \$ 100,000

PI: Arif Islam Sarwat
EXTERNAL PROGRAMS ENG AND COMP
Award Action Type: Initial
AWARDING SPONSOR: National Science Foundation
TITLE: CRISP Type 2: Collaborative Research: Towards Resilient Smart Cities **AWARD:** \$ 499,999

PI: Shimelis Gebriye Setegn
ENVIR 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
TITLE: 21st Century Community Learning Centers EV3 Robotics 2015-2016 **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>.

Agency	Program	Institutional Submission Limits	Internal Deadline	Agency Deadline
NSF	ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE) (NSF 14-5734)	One proposal per eligible organization for Institutional Transformation.	Institutional Transformation (IT): 10/5/2015	Prelim deadline: Institutional Transformation (IT): 11/05/2015 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

Name	Title	Email Address
Andrés G. Gil	Vice President for Research	Andres.gil@fiu.edu
Tonja Moore	Associate Vice President for Research Strategic Planning & Operations	Tonja.moore@fiu.edu
Luis P. Salas	Associate Vice President for Research	Luis.salas@fiu.edu
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