Florida International University researchers were awarded $6,521,463 in November 2015. Listed below is a summary of awards received for the month of November.

PI: Jose R Almirall
**CHEMISTRY**
**Award Action Type:** Initial
**AWARDING SPONSOR:** CTSSO Technical Support Working Group
**TITLE:** Heroin Origin Determination using High-Resolution ICP-MS
**AWARD:** $ 127,747

PI: Atorod Azizinamini
**CIVIL AND ENVIRON ENGINEERING**
**Award Action Type:** Initial
**AWARDING SPONSOR:** U.S. DOT Federal Highway Administration
**TITLE:** National Accelerated Bridge Conference- December 2015
**AWARD:** $ 58,597

PI: Shekhar Bhansali
**ELEC AND COMPUTER ENG**
**Award Action Type:** Pre-Award
**AWARDING SPONSOR:** North Carolina State University
**TITLE:** Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)
**AWARD:** $ 6,943

PI: Shekhar Bhansali
**ELEC AND COMPUTER ENG**
**Award Action Type:** Pre-Award
**AWARDING SPONSOR:** North Carolina State University
**TITLE:** Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)
**AWARD:** $ 8,527

PI: Mahadev G Bhat
**EARTH AND ENVIRONMENT**
**Award Action Type:** Continuation
**AWARDING SPONSOR:** University of Miami
**TITLE:** Pulley Ridge Fisheries Bio-economic Modeling Project
**AWARD:** $ 62,283

PI: Eric Bishop-Von Wettberg
**BIOLOGY**
**Award Action Type:** Increase
**AWARDING SPONSOR:** University of California Davis
**TITLE:** A reverse-introgression and community genomics strategy to enrich and characterize legume germplasm for climate-resilience traits
**AWARD:** $ 93,907
PI: Henry Briceno  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research  
**AWARD:** $ 66,760

PI: Zhe Cheng  
**MECHANICAL AND MAT ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** U.S. Department of Energy  
**TITLE:** Nanocrystalline High Temperature and Ultrahigh Temperature Ceramics for Electrodes for Direct Power Extraction Applications  
**AWARD:** $ 249,970

PI: Todd Crowl  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of New Hampshire  
**TITLE:** Luquillo CZO: the role of hot spots and hot moments in tropical landscape evolution  
**AWARD:** $ 15,720

PI: Anthony De Caprio  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** Novel Blood Protein Modification Assay for Retrospective Detection of Drug Exposure.  
**AWARD:** $ 195,710

PI: Timothy Dean  
**COLLEGE ACCESS**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Florida International University Upward Bound  
**AWARD:** $ 101,655

PI: Timothy Dean  
**COLLEGE ACCESS**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Florida Department of Agriculture and Co  
**TITLE:** Summer Food Summer Program food services for low income and first generation student who participate in the UPWARD BOUND Summer program.  
**AWARD:** $ 10,530

PI: Timothy Dean  
**COLLEGE ACCESS**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Florida Department of Agriculture and Co  
**TITLE:** Summer Food Summer Program food services for low income and first generation student who participate in the CROP Summer program.  
**AWARD:** $ 2,622
PI: Laura H Dinehart
**COE LEADERSHIP AND PROF STU**
**Award Action Type:** Initial
**AWARDING SPONSOR:** Business & Leadership Inst Early Learning
**TITLE:** The Business & Leadership Institute 2015-2016 Coordinating and Research Services
**AWARD:** $40,340

PI: Jacqueline Evans
**PSYCHOLOGY**
**Award Action Type:** Initial
**AWARDING SPONSOR:** Federal Bureau of Investigation
**TITLE:** Confirmation bias among interpreters in an interrogative setting
**AWARD:** $102,444

PI: Brian Fonseca
**J GORDON INS PUB POL AND CITI**
**Award Action Type:** Initial
**AWARDING SPONSOR:** Centro de Altos Estudios Nacionales
**TITLE:** FIU In-Residence Global Security Seminar
**AWARD:** $43,483

PI: James Fourqurean
**BIOLOGY**
**Award Action Type:** Initial
**AWARDING SPONSOR:** Ball Aerospace and Technologies
**TITLE:** Ball Aerospace participation in NEEMO XX Aquarius Mission
**AWARD:** $35,000

PI: Karen S Fuller
**MUSIC**
**Award Action Type:** Initial
**AWARDING SPONSOR:** Miami-Dade County Cultural Affairs
**TITLE:** FIU School of Music Concert Season
**AWARD:** $40,000

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:** $533,279

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:** $16,000

PI: Nazife E Ganapati
**PUBLIC ADMINISTRATION**
**Award Action Type:** Initial
**AWARDING SPONSOR:** U.S. Department of Justice
**TITLE:** Understanding the organizational factors that impact police-minority community relations.
**AWARD:** $149,793
PI: Daniel Gann

LIBRARY OPERATIONS
Award Action Type: Increase
AWARDING SPONSOR: U.S. Army Corps of Engineers
TITLE: Monitoring of Tree Island Condition in the Southern Everglades
AWARD: $17,234

PI: Gueo V Grantcharov

MATH AND STATISTICAL SCIENCES
Award Action Type: Increase
AWARDING SPONSOR: Simons Foundation
TITLE: Geometry of Complex Non-Kaehler Manifolds
AWARD: $7,000

PI: Lei Guo

PHYSICS
Award Action Type: Continuation
AWARDING SPONSOR: Jefferson Lab
TITLE: Hadron Spectroscopy at Jefferson Lab
AWARD: $8,955

PI: Mohammed A Hadi

CIVIL AND ENVIRON ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: Gannett Fleming Inc
TITLE: Evaluation of Video Analytic Technologies
AWARD: $24,994

PI: Shahid Hamid

INTERNATIONAL HURRICANE CENTER
Award Action Type: Initial
AWARDING SPONSOR: State Board Administration of Florida
TITLE: Hurricane Catastrophe Fund 2015-2020
AWARD: $8,040

PI: Mary Helen Hayden

SCHOOL OF SOCIAL WORK
Award Action Type: Initial
AWARDING SPONSOR: University of Central Florida
TITLE: FIU Child Welfare Education Program
AWARD: $204,858

PI: Michael Heithaus

SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: National Science Foundation
TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research
AWARD: $69,558

PI: Gladys E Ibanez

EPIDEMIOLOGY
Award Action Type: Supplemental
AWARDING SPONSOR: University of Florida
TITLE: Southern HIV and Alcohol Research Consortium - SHARC
AWARD: $7,410
PI: Rudolf Jaffe  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research  
**AWARD:** $70,947

PI: Konstantinos Kavallieratos  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** U.S. Nuclear Regulatory Commission  
**TITLE:** FIU Nuclear Research Fellowships Growing the Opportunities  
**AWARD:** $70,030

PI: Konstantinos Kavallieratos  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** U.S. Nuclear Regulatory Commission  
**TITLE:** FIU Nuclear Research Fellowships Growing the Opportunities  
**AWARD:** $213,355

PI: John Kominoski  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research  
**AWARD:** $71,350

PI: Kenneth J Lipartito  
**HISTORY**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** City of Miami Beach  
**TITLE:** Miami Beach Archives Digitalization Project  
**AWARD:** $78,543

PI: Yuan Liu  
**CHEMISTRY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Trinucleotide Repeat Instability via DNA Damage and Repair  
**AWARD:** $321,734

PI: Bruce Mc Cord  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** U.S. Department of Justice  
**TITLE:** Ultrahigh speed Direct PCR. A method for obtaining STR based genotypes in under 6 minutes.  
**AWARD:** $400,265
PI: Bruce Mc Cord

**CHEMISTRY**
Award Action Type: Initial
AWARDING SPONSOR: National Institute of Justice

PI: Maria Jose Miguez Perez

**SISH**
Award Action Type: Supplemental
AWARDING SPONSOR: University of Florida
TITLE: Southern HIV and Alcohol Research Consortium - SHARC AWARD: $114,960

PI: Maria Jose Miguez Perez

**SISH**
Award Action Type: Continuation
AWARDING SPONSOR: University of Florida
TITLE: Pharmacotherapy for alcohol consumption in HIV Positive Women: Randomized Clinical Trail-Subproject AWARD: $136,514

PI: Maria Jose Miguez Perez

**SISH**
Award Action Type: Initial
AWARDING SPONSOR: Brown University
TITLE: Alcohol and HIV: Biobehavioral Interactions and Intervention Research Component 2, Behavioral interventions to reduce heavy drinking among MSM in HIV primary care AWARD: $69,798

PI: Jordana Pomeroy

**FROST ART MUSEUM**
Award Action Type: Initial
AWARDING SPONSOR: Miami-Dade County Cultural Affairs
TITLE: Major Cultural Institutions 2015-2016 AWARD: $159,205

PI: Miriam Potocky

**SCHOOL OF SOCIAL WORK**
Award Action Type: Continuation
AWARDING SPONSOR: New York Community Trust
TITLE: Project MIRACLE AWARD: $18,886

PI: Rene Price

**SOUTHEAST ENV RESEARCH CTR**
Award Action Type: Increase
AWARDING SPONSOR: National Science Foundation
TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research AWARD: $74,926
PI: Sean Antonio Prospect  
**COE COMMUNITY ENGAGEMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** Project PREPARE (FIU After School All-Stars) 2015-2016  
**AWARD:** $15,225

PI: Joseph Raiker Jr  
**PSYCHOLOGY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Brain and Behavior Research Foundation  
**TITLE:** The Utility of Cognitive Subgroups in Predicting Treatment Response to Methylphenidate in Children with ADHD  
**AWARD:** $35,000

PI: Andrea D Raymond  
**COM IMMUNOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Miami  
**TITLE:** Nef+ Exosomes: Neurotoxin, biomarker, and theragnostic of neurocognitive status in HIV disease  
**AWARD:** $36,000

PI: Jennifer Rehage  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** HABITAT SELECTION & MOVEMENT OF EVERGLADES FISHES IN RESPONSE TO SEASONAL HYDROLOGY: effects of variation in water levels & recession rates  
**AWARD:** $30,000

PI: David F Roelant  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** EnergySolutions  
**TITLE:** FIU Testing of 2D Sonar performance for imaging surrogate high-level radioactive waste  
**AWARD:** $62,000

PI: Barry Philip Rosen  
**COM CELL BIOLOGY AND PHARM**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** The Human Arsenic Methylation Pathway  
**AWARD:** $322,297

PI: Jay Sah  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** U.S. Army Corps of Engineers  
**TITLE:** Monitoring of Tree Island Condition in the Southern Everglades  
**AWARD:** $75,433
PI: Arif Islam Sarwat  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Florida Power and Light  
**TITLE:** Smart Grid: Game Changer for Lifestyle Elevation  
**AWARD:** $70,000

PI: Arif Islam Sarwat  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Florida Power and Light  
**TITLE:** Electric Power Reliability & Analytics Center (EPRAC) for High Penetration Distributed Renewable Resource Modern Grid System  
**AWARD:** $365,600

PI: Casey Steadman  
**THE WOLFSONIAN**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Division of Cultural Affairs  
**TITLE:** FL DCA General Support  
**AWARD:** $67,782

PI: Casey Steadman  
**THE WOLFSONIAN**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Cultural Affairs  
**TITLE:** Miami Dade County MCI General Operating Support  
**AWARD:** $281,536

PI: Casey Steadman  
**THE WOLFSONIAN**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Cultural Affairs  
**TITLE:** Enhanced Audio-Visual Environment for Public Programs at The Wolfsonian-FIU  
**AWARD:** $6,539

PI: Casey Steadman  
**THE WOLFSONIAN**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** City of Miami Beach  
**TITLE:** General Operating Support  
**AWARD:** $30,314

PI: Matthew T Sutherland  
**PSYCHOLOGY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Impact of HIV and cannabis on brain function: Regions, networks, and the connectome  
**AWARD:** $34,515
PI: Berrin Tansel
**CIVIL AND ENVIRON ENGINEERING**
Award Action Type: Initial
AWARDING SPONSOR: Miami-Dade County Water and Sewer
TITLE: CD 2.16 CDWWTP Dewatering Building (Central District) Miami-Dade Water and Sewer Department Graphics and Data Support Services (Manuel) AWARD: $ 50,750

PI: Berrin Tansel
**CIVIL AND ENVIRON ENGINEERING**
Award Action Type: Initial
AWARDING SPONSOR: Miami-Dade County Water and Sewer
TITLE: CD 1.08 CDWWTP- Dewatering Facility (South District) : Miami-Dade Water and Sewer Department Graphics and Data Support Services (Ernesto) AWARD: $ 50,750

PI: Markus L Thiel
**SIPA**
Award Action Type: Initial
AWARDING SPONSOR: European Commission
TITLE: Outreach Projects with the Scientific and Business Miami Communities AWARD: $ 30,758

PI: Tiffany Troxler
**SOUTHEAST ENV RESEARCH CTR**
Award Action Type: Increase
AWARDING SPONSOR: National Science Foundation
TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research AWARD: $ 77,180

PI: Tiffany Troxler
**SOUTHEAST ENV RESEARCH CTR**
Award Action Type: Increase
AWARDING SPONSOR: U.S. Geological Survey
TITLE: Linking Satellite and Soil Data to Validate Coastal Wetland "Blue Carbon" Inventories: Upscaled Support for Developing MRV and REDD+ Protocols AWARD: $ 24,133

PI: Arif Selcuk Uluagac
**ELEC AND COMPUTER ENG**
Award Action Type: Initial
AWARDING SPONSOR: Griffiss Institute Inc
TITLE: Fingerprinting IoT Wearables for Mission Security AWARD: $ 10,000

PI: Feion 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: $ 22,545
PI: Eric Wagner
SCHOOL OF SOCIAL WORK
Award Action Type: Increase
AWARDING SPONSOR: University of California San Diego
TITLE: Facilitating Self-Change for Adolescent Alcohol Problems  AWARD: $ 78,648

PI: Changwon Yoo
BIOSTATISTICS
Award Action Type: Increase
AWARDING SPONSOR: Seoul National University Hospital
TITLE: Developing a computer diagnosis system for Benign Prostatic Hyperplasia  AWARD: $ 13,696

PI: Keqi Zhang
INTERNATIONAL HURRICANE CENTER
Award Action Type: Initial
AWARDING SPONSOR: University of Miami
TITLE: Development of an Integrated Coastal Inundation Forecast Demonstration System in Caribbean Region & Pilot Project for the Dominican Republic and Haiti  AWARD: $ 287,309