Florida International University researchers were awarded $7,029,555 in April 2015. Listed below is a summary of awards received for the month of April.

**PI:** Priyanka Alluri  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Quantifying the Accuracy of the Enhanced Interchange Safety Analysis Tool (ISATe) Crash Prediction Tools on Florida Freeways  
**AWARD:** $75,000

**PI:** Jose R Almirall  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Planning Grant: I/UCRC for Center of Forensic Science Research at FIU  
**AWARD:** $11,500

**PI:** Jose R Almirall  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Planning Grant: I/UCRC for Center of Forensic Science Research at FIU  
**AWARD:** $4,350

**PI:** Benjamin C Amick III  
**HEALTH POLICY AND MGMT**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Institute for Work & Health  
**TITLE:** IWH Professional Services Contract  
**AWARD:** $83,883

**PI:** Atorod Azizinamini  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** U.S. Department of Transportation  
**TITLE:** Tier 1 University Transportation Center U.S. DOT Strategic Goal Focus Area: State of Good Repair  
**AWARD:** $1,402,200

**PI:** Michael Erie Bienvenu  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade Expressway Authority  
**TITLE:** Development of Life-Cycle Assessment (LCA) and Life-Cycle Cost Analysis (LCCA) for Pavement-type Selection for SR 836 Extension from NW 137th Avenue to SW Kendall Area (Project Number 83618)  
**AWARD:** $109,766
PI: Alexander D Casas

**UNIVERSITY POLICE**

**Award Action Type:** Increase  
**AWARD SPONSOR:** National Oceanic and Atmospheric Admin  
**TITLE:** Guard Services for the National Hurricane Center  
**AWARD:** $288,085

PI: Jessy G Devieux

**HEALTH PROMO AND DISEASE PREV**

**Award Action Type:** Increase  
**AWARDING SPONSOR:** Alcohol Abuse and Alcoholism  
**TITLE:** Intervening with HIV+ Alcohol Abusers: Influence of Neuro-Behavioral Factors  
**AWARD:** $612

PI: Jessy G Devieux

**HEALTH PROMO AND DISEASE PREV**

**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Brigham and Women’s Hospital  
**TITLE:** Same-Day HIV Testing and Treatment Initiation to Improve Retention in Care  
**AWARD:** $52,953

PI: Jessy G Devieux

**HEALTH PROMO AND DISEASE PREV**

**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Institute of Mental Health  
**TITLE:** Measurement-based Care for Depression in Resource-Poor Settings  
**AWARD:** $193,388

PI: James Fourqurean

**BIOLOGY**

**Award Action Type:** Increase  
**AWARDING SPONSOR:** National Aeronautics & Space Administrat  
**TITLE:** Aquarius Reef Base: NEEMO XX NASA  
**AWARD:** $121,500

PI: Evelyn Gaiser

**SOUTHEAST ENV RESEARCH CTR**

**Award Action Type:** Continuation  
**AWARDING SPONSOR:** U.S. Army  
**TITLE:** The Effects of Wet Season Hydrology Patterns on Prey Populations that Support Wading Bird Populations  
**AWARD:** $116,536

PI: Lei Guo

**PHYSICS**

**Award Action Type:** Increase  
**AWARDING SPONSOR:** Jefferson Lab  
**TITLE:** Hadron Spectroscopy at Jefferson Lab  
**AWARD:** $8,955
PI: Ismail Guvenc  
**ELEC AND COMPUTER ENG**  
**Award Action Type**: Increase  
**AWARDING SPONSOR**: National Science Foundation  
**TITLE**: EARS: Collaborative Research: Pervasive Spectrum Sharing for Public Safety Communications  
**AWARD**: $16,000

PI: Ismail Guvenc  
**ELEC AND COMPUTER ENG**  
**Award Action Type**: Initial  
**AWARDING SPONSOR**: National Science Foundation  
**TITLE**: CAREER: Towards Broadband and UAV-Assisted Heterogeneous Networks for Public Safety Communications  
**AWARD**: $90,046

PI: Xudong He  
**COMPUTER INFO SCIENCES**  
**Award Action Type**: Initial  
**AWARDING SPONSOR**: Alabama A&M University  
**TITLE**: An Adaptive Evolutionary Computing Based Runtime Checker  
**AWARD**: $117,766

PI: Rosemary Hickey  
**EARTH AND ENVIRONMENT**  
**Award Action Type**: Increase  
**AWARDING SPONSOR**: Consortium For Ocean Leadership  
**TITLE**: Participation in IODP Expedition 351  
**AWARD**: $11,815

PI: Julio E Ibarra  
**CIARA**  
**Award Action Type**: Increase  
**AWARDING SPONSOR**: Assoc of Univs for Rsrch in Astronomy  
**TITLE**: Large Synoptic Survey Telescope (LSST)  
**AWARD**: $454,310

PI: Julio E Ibarra  
**CIARA**  
**Award Action Type**: Initial  
**AWARDING SPONSOR**: National Science Foundation  
**TITLE**: IRNC: RXP: AtlanticWave-SDX: a distributed intercontinental experimental SDX  
**AWARD**: $748,811

PI: Maria Ilcheva  
**METROPOLITAN CENTER**  
**Award Action Type**: Initial  
**AWARDING SPONSOR**: Miami-Dade County Information Technology  
**TITLE**: MDC Information Technology Department Employee Survey  
**AWARD**: $14,410
PI: Sakhrat Khizroev  
**Elec and Computer Eng**  
Award Action Type: Continuation  
**Awarding Sponsor:** University of California Berkeley  
**Title:** Physics of Spin Switching in Sub-10-nm Spin-transfer-torque Magnetic Tunneling Junctions  
**Award:** $62,000

PI: Leonel E Lagos  
**ARC Applied Research Center**  
Award Action Type: Initial  
**Awarding Sponsor:** U.S. Department of Energy  
**Title:** Florida International University's Continued Research Support for the Department of Energy's Office of Environmental Management: Task 1  
**Award:** $145,625

PI: Leonel E Lagos  
**ARC Applied Research Center**  
Award Action Type: Initial  
**Awarding Sponsor:** U.S. Department of Energy  
**Title:** Florida International University's Continued Research Support for the Department of Energy's Office of Environmental Management: Task 2  
**Award:** $145,625

PI: Leonel E Lagos  
**ARC Applied Research Center**  
Award Action Type: Initial  
**Awarding Sponsor:** U.S. Department of Energy  
**Title:** Florida International University's Continued Research Support for the Department of Energy's Office of Environmental Management: Task 3  
**Award:** $145,625

PI: Leonel E Lagos  
**ARC Applied Research Center**  
Award Action Type: Initial  
**Awarding Sponsor:** U.S. Department of Energy  
**Title:** Florida International University's Continued Research Support for the Department of Energy's Office of Environmental Management: Task 4  
**Award:** $363,125

PI: Leonel E Lagos  
**ARC Applied Research Center**  
Award Action Type: Initial  
**Awarding Sponsor:** Scientific Research Corporation  
**Title:** Cyber Space Technology Research and STEM Development for Department of Defense's Test Resource Management Center (TRMC) – Phase II  
**Award:** $35,000
PI: Angela Marie Richmond Laird  
**PHYSICS**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** UT Health Science Center San Antonio  
**TITLE:** Meta-Analysis in Human Brain Mapping  
**AWARD:** $27,794

PI: Grover L Larkins  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** Potentially Useful and Novel Properties of Doped 2-Dimensional Materials  
**AWARD:** $150,000

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:** $16,000

PI: Debra Lundy  
**SCH OF HOSP AND TOURISM MGMT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Miami-Dade County Cultural Affairs  
**TITLE:** 2015 Annual Fun & Fit as a Family  
**AWARD:** $15,750

PI: Lindsay Malloy  
**CENTER FOR CHILDREN AND FAM**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Child Health and Human Development  
**TITLE:** Episodic memory and suggestibility in children with Attention Deficit Hyperactivity Disorder  
**AWARD:** $67,626

PI: Pete Markowitz  
**PHYSICS**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Princeton University  
**TITLE:** MOU Between Fermi National Lab and FIU.  
**AWARD:** $40,015

PI: Kalai Mathee-Narasimhan  
**COM HUMAN AND MOL GENETICS**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of Miami  
**TITLE:** Alpha Trypsin Deficiency Lung Microbiome Project  
**AWARD:** $79,900
PI: Dwayne McDaniel

**ARC APPLIED RESEARCH CENTER**

**Award Action Type:** Initial

**AWARDING SPONSOR:** Office of Naval Research

**TITLE:** Development of a Novel Health Monitoring System for Adhesively Bonded Composite Joints Using Electro-Magnetic Nanoparticles

**AWARD:** $57,573

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PI: Dwayne McDaniel

**MECHANICAL AND MAT ENGINEERING**

**Award Action Type:** Initial

**AWARDING SPONSOR:** Office of Naval Research

**TITLE:** Development of a Novel Health Monitoring System for Adhesively Bonded Composite Joints Using Electro-Magnetic Nanoparticles:
Sub-Project for Dr. Boesl

**AWARD:** $63,525

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PI: Dwayne McDaniel

**ELEC AND COMPUTER ENG**

**Award Action Type:** Initial

**AWARDING SPONSOR:** Office of Naval Research

**TITLE:** Development of a Novel Health Monitoring System for Adhesively Bonded Composite Joints Using Electro-Magnetic Nanoparticles:
Sub-Project for Dr. Khizroev

**AWARD:** $53,132

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PI: Edward P Murray

**METROPOLITAN CENTER**

**Award Action Type:** Initial

**AWARDING SPONSOR:** City of Fort Lauderdale

**TITLE:** City of Fort Lauderdale Affordable Housing and Economic Analysis

**AWARD:** $65,500

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PI: Madhavan P Nair

**COM IMMUNOLOGY**

**Award Action Type:** Continuation

**AWARDING SPONSOR:** National Institutes of Health

**TITLE:** Cocaine in the Neuropathogenesis of HIV infection: Role of HDAC-2

**AWARD:** $360,337

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PI: Mark Padilla

**LATIN AMERICAN AND CARIB CTR**

**Award Action Type:** Continuation

**AWARDING SPONSOR:** University of Puerto Rico

**TITLE:** Physicians and Health Related Services for Male-to-Female Transgender Persons

**AWARD:** $9,000

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PI: Nezih Pala

**ELEC AND COMPUTER ENG**

**Award Action Type:** Initial

**AWARDING SPONSOR:** University of Central Florida

**TITLE:** Visible Light Communication for Wireless Internet Connection

**AWARD:** $500
PI: Raju Rangaswami  
**COMPUTER INFO SCIENCES**  
*Award Action Type:* Initial  
*AWARDING SPONSOR:* University of South Florida  
*TITLE:* Collaborative Cybersecurity Research at Florida SUS Institutions  
*AWARD:* $ 20,000

PI: Jennifer Rehage  
**SOUTHEAST ENV RESEARCH CTR**  
*Award Action Type:* Initial  
*AWARDING SPONSOR:* U.S. Army Corps of Engineers  
*TITLE:* Role of Marsh-Mangrove Interface Habitats as Aquatic Refuges for Wetland Fishes and other Aquatic Animals  
*AWARD:* $ 80,275

PI: Naphtali D Rishe  
**COMPUTER INFO SCIENCES**  
*Award Action Type:* Initial  
*AWARDING SPONSOR:* National Science Foundation  
*TITLE:* Big Geospatial Data for Decision Support in Ebola Triage  
*AWARD:* $ 100,000

PI: Tonette S Rocco  
**COE LEADERSHIP AND PROF STU**  
*Award Action Type:* Initial  
*AWARDING SPONSOR:* National Academic Advising Association  
*TITLE:* Leaders' Perception of the Professionalization of Academic Advising  
*AWARD:* $ 600

PI: Seyedmasoud Sadjadi  
**COMPUTER INFO SCIENCES**  
*Award Action Type:* Initial  
*AWARDING SPONSOR:* Georgia Institute of Technology  
*TITLE:* VIP Program at Florida International University  
*AWARD:* $ 65,614

PI: Geoffrey S Smith  
**COMPUTER INFO SCIENCES**  
*Award Action Type:* Initial  
*AWARDING SPONSOR:* University of South Florida  
*TITLE:* Collaborative Cybersecurity Research at Florida SUS Institutions  
*AWARD:* $ 25,000

PI: Teresa C Stanton  
**LAW LIBRARY**  
*Award Action Type:* Initial  
*AWARDING SPONSOR:* National Endowment for the Humanities  
*TITLE:* Florida International University (FIU) College of Law Library Special Collections: Preservation Assistance Project  
*AWARD:* $ 5,999
PI: Matthew T Sutherland  
**PSYCHOLOGY**  
*Award Action Type:* Continuation  
*AWARDING SPONSOR:* National Institutes of Health  
*TITLE:* Impact of HIV and cannabis on brain function: Regions, networks, and the connectome  
*AWARD:* $164,886

PI: Sabri Tosunoglu  
**MECHANICAL AND MAT ENGINEERING**  
*Award Action Type:* Initial  
*AWARDING SPONSOR:* TYB LLC  
*TITLE:* Remote Ophthalmology Robotic Device Prototype  
*AWARD:* $50,815

PI: Mary Jo Trepka  
**EPIDEMIOLOGY**  
*Award Action Type:* Continuation  
*AWARDING SPONSOR:* Minority Health and Health Disparities  
*TITLE:* Retrospective cohort study of racial disparities in HIV survival, Florida  
*AWARD:* $361,729

PI: Joel Trexler  
**SOUTHEAST ENV RESEARCH CTR**  
*Award Action Type:* Continuation  
*AWARDING SPONSOR:* U.S. Army  
*TITLE:* The Effects of Wet Season Hydrology Patterns on Prey Populations that Support Wading Bird Populations  
*AWARD:* $209,019

PI: Tiffany Troxler  
**SOUTHEAST ENV RESEARCH CTR**  
*Award Action Type:* Initial  
*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:* $20,703

PI: Susan E Webster  
**OFFICE OF RSCH AND ECO DEVELOP**  
*Award Action Type:* Increase  
*AWARDING SPONSOR:* IREX  
*TITLE:* Young African Leaders Initiative (YALI)  
*AWARD:* $45,000

PI: Mark L Williams  
**HEALTH POLICY AND MGMT**  
*Award Action Type:* Continuation  
*AWARDING SPONSOR:* Univ of Texas Health Science Ctr Houston  
*TITLE:* HIV risk and prevention venue affiliation among young  
*AWARD:* $29,378
PI: Ming Zhao  
COMPUTER INFO SCIENCES  
Award Action Type: Initial  
AWARDING SPONSOR: University of South Florida  
TITLE: Vulnerability and Survivability of Cyberspace: Basic Science to Applications  
AWARD: $ 25,000