Florida International University researchers were awarded $16,454,258 in September 2011. Listed below is a summary of awards received for $20,000 or more during the month of September.

PI: Maria Donoso
DEPARTMENT OF EARTH & ENVIRONMENT
AWARDING SPONSOR: United States Agency for International Development (USAID)
AWARD: $ 5,000,000

PI: Gail Gregg
DEPARTMENT OF TEACHING AND LEARNING
AWARDING SPONSOR: Early Learning Coalition of Miami Dade and Monroe
TITLE: Quality Rating Improvement System Program (QRIS).
AWARD: $ 850,000

PI: Deron Burkepile
THE DEPARTMENT OF BIOLOGICAL SCIENCES
AWARDING SPONSOR: National Science Foundation
TITLE: Cascading Interactions of Herbivore Loss and Nutrient Enrichment on Coral Reef Macroalgae, Corals and Microbial Dynamic.
AWARD: $ 822,778

PI: Mahadev Bhat
DEPARTMENT OF EARTH & ENVIRONMENT
AWARDING SPONSOR: National Institute of Food and Agriculture
TITLE: Florida-Caribbean Consortium for Agriculture Education and Hispanic Workforce Development.
AWARD: $ 800,000

PI: Fernando Miralles-Wilhelm
DEPARTMENT OF EARTH & ENVIRONMENT
AWARDING SPONSOR: National Aeronautics & Space Administration (NASA)
AWARD: $ 770,000

PI: Naphtali D Rishe
SCHOOL OF COMPUTING AND INFORMATION SCIENCES
AWARDING SPONSOR: National Science Foundation
AWARD: $ 678,693

PI: Maria-Jose Miguez Perez
ARTS & SCIENCES DEAN’S OFFICE
AWARDING SPONSOR: National Institute of Nursing Research
TITLE: Role of BDNF on Risk Behaviors Decision Making.
AWARD: $ 505,213
PI: Pete Markowitz  
**PHYSICS**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** CHEPREO  
**AWARD:** $470,000

PI: Barry Rosen  
**MEDICINE DEAN’S OFFICE**  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Mechanisms of Arsenical Transport.  
**AWARD:** $466,344

PI: Laird Kramer  
**PHYSICS**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Subproject: CHEPREO.  
**AWARD:** $441,451

PI: Joseph Boyer  
**SOUTHEAST ENVIRONMENTAL RESEARCH CENTER (SERC)**  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Provide Office Services and Operational Technical Support to The South Florida Ecosystem Restoration Task Force, Office of the Executive Director.  
**AWARD:** $379,111

PI: Masoud Milani  
**CENTER FOR DIVERSITY IN ENGINEERING & COMPUTING**  
**AWARDING SPONSOR:** The Children's Trust  
**TITLE:** FIU-ENLACE Miami / The Children's Trust.  
**AWARD:** $356,370

PI: Bruce McCord  
**DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY**  
**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** A Rapid Method for The Selective Isolation of Male DNA from Rape Kits Using Pressure Cycling.  
**AWARD:** $349,130

PI: Madhavan Nair  
**MEDICINE DEAN’S OFFICE**  
**AWARDING SPONSOR:** National Institute on Drug Abuse (NIDA)  
**TITLE:** Role of Cocaine in Neuro-AIDS by HIV B and C Clades.  
**AWARD:** $325,949

PI: Kalai Mathee  
**MEDICINE DEAN’S OFFICE**  
**AWARDING SPONSOR:** National Institute of General Medical Sciences  
**TITLE:** Regulation of P. Aeruginosa PoxB Oxacillinase by AmpR and a Two-Component System.  
**AWARD:** $308,732

PI: Arvind Agarwal  
**MECHANICAL AND MATERIALS ENGINEERING**  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** Acquisition of Spark Plasma Sintering Furnace for Nanotube Reinforced Nanocomposites.  
**AWARD:** $267,950
PI: Sofia Sntiesteban  
**UPWARD BOUND PROGRAM**  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** Upward Bound Program.  
**AWARD:** $262,009

PI: Laird Kramer  
**PHYSICS**  
**AWARDING SPONSOR:** Howard Hughes Medical Institute  
**TITLE:** FIU Science Collaborative Project.  
**AWARD:** $250,000

PI: Won Bong Choi  
**MECHANICAL AND MATERIALS ENGINEERING**  
**AWARDING SPONSOR:** Korea Electrotechnology Research Institute (KERI)  
**TITLE:** Graphene-Carbon Nanotubes for High Efficiency Flexible Solar Cells  
**AWARD:** $190,000

PI: Mary Ann Von Glinow  
**CENTER FOR INTERNATIONAL BUSINESS EDUCATION & RESE**  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** Center for International Business Education and Research.  
**AWARD:** $175,591

PI: Richard C. Palmer  
**HEALTH PROMOTION AND DISEASE PREVENTION**  
**AWARDING SPONSOR:** National Cancer Institute  
**TITLE:** Increasing Colorectal Cancer Screening among African Americans.  
**AWARD:** $161,064

PI: Sundararaj Iyengar  
**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** NeTS: Medium: Collaborative Research: Building an Intelligent, Uncertainty-Resilient Detection and Tracking Sensor Network.  
**AWARD:** $157,203

PI: William Pelham  
**PSYCHOLOGY**  
**AWARDING SPONSOR:** Society of Clinical Child and Adolescent Psychology  
**TITLE:** Dissemination Initiative.  
**AWARD:** $152,835

PI: Ophelia Weeks  
**THE DEPARTMENT OF BIOLOGICAL SCIENCES**  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Subproject: MARC Q’BIC (Quantifying Biology in the Classroom).  
**AWARD:** $150,428

PI: Ana Gouvea  
**COMMUNICATION SCIENCES AND DISORDERS**  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Monolingual and Bilingual Infants' Sensitivity to Agreement Morphology in Spanish.  
**AWARD:** $143,650
PI: Rebecca Friedman  
**SCHOOL OF INTERNATIONAL & PUBLIC AFFAIRS (SIPA)**  
**AWARDING SPONSOR:** European Commission  
**TITLE:** Miami-Florida European Union Center of Excellence.  
**AWARD:** $140,622

PI: Chongsheng Cao  
**MATHEMATICS**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Analytical Study of Certain Large-Scale Geophysical Models.  
**AWARD:** $110,884

PI: Werner Boeglin  
**PHYSICS**  
**AWARDING SPONSOR:** Department of Energy  
**TITLE:** A Fast Fusion Proton Diagnostic for NSTX.  
**AWARD:** $109,108

PI: Mark L Williams  
**HEALTH POLICY AND MANAGEMENT**  
**AWARDING SPONSOR:** National Institute of Allergy and Infectious Diseases  
**TITLE:** Tanzanian Drug Treatment as AIDS Prevention-Reliability and Validity Study.  
**AWARD:** $105,229

PI: Rosemary Hickey-Vargas  
**DEPARTMENT OF EARTH & ENVIRONMENT**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Acquisition of an Inductively Coupled Plasma Optical Emission Spectrometer for the Department of Earth and Environment, Florida International University.  
**AWARD:** $104,000

PI: Laird Kramer  
**PHYSICS**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Subproject: CHEPREO.  
**AWARD:** $94,549

PI: Javier Francisco-Ortega  
**THE DEPARTMENT OF BIOLOGICAL SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Phylogeography and Conservation Genetics of The Caribbean Zamia Clade: An Integrated Systematic Approach With SSRs and Single Copy Nuclear.  
**AWARD:** $86,567

PI: Jose Almirall  
**INTERNATIONAL FORENSIC RESEARCH INSTITUTE (IFRI)**  
**AWARDING SPONSOR:** University of Rhode Island  
**TITLE:** Development of Stimulants of Hydrogen Peroxide Based Explosives for use by Canine and IMS Detectors.  
**AWARD:** $80,000
PI: Leonel Lagos
**APPLIED RESEARCH CENTER (ARC)**
**AWARDING SPONSOR:** Savannah River Nuclear Solutions, LLC
**TITLE:** Development of Meso Scale Sensor Test Bed for InSitu Decommissioning of Nuclear Facilities
**AWARD:** $77,664

PI: Joel Trexler
**THE DEPARTMENT OF BIOLOGICAL SCIENCES**
**AWARDING SPONSOR:** United States Army Corp of Engineers
**TITLE:** Refining The Prey Base Fish Performance Measure.
**AWARD:** $76,000

PI: Jennifer Richards
**SOUTHEAST ENVIRONMENTAL RESEARCH CENTER (SERC)**
**AWARDING SPONSOR:** National Park Service
**TITLE:** Subproject: The South Florida Caribbean Inventory and Monitoring Network Ecologist Postdoctoral Position for Vital Signs Indicators.
**AWARD:** $75,139

PI: Joseph Boyer
**SOUTHEAST ENVIRONMENTAL RESEARCH CENTER (SERC)**
**AWARDING SPONSOR:** National Park Service
**TITLE:** Renewal: Provide office services and operational technical support to the South Florida Ecosystem Restoration Task Force, Office of the Executive Director.
**AWARD:** $70,000

PI: Haiyan Jiang
**DEPARTMENT OF EARTH & ENVIRONMENT**
**AWARDING SPONSOR:** National Oceanic & Atmospheric Administration (NOAA)
**TITLE:** Enhancement for SHIPS Rapid Intensification (RI) Index Using Satellite 37 GHz Microwave Ring Pattern.
**AWARD:** $69,517

PI: Sofia Santiesteban
**UPWARD BOUND PROGRAM**
**AWARDING SPONSOR:** Department of Education
**TITLE:** Subproject: Upward Bound Program.
**AWARD:** $66,426

PI: Virginia McCoy
**HEALTH PROMOTION AND DISEASE PREVENTION**
**AWARDING SPONSOR:** University of Puerto Rico
**TITLE:** Florida-Puerto Rico Public Health Research.
**AWARD:** $64,087

PI: Kathleen S Rein
**DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY**
**AWARDING SPONSOR:** National Institute of Environmental Health Sciences
**TITLE:** Advanced Research Cooperation in Environmental Health Research (ARCH) / Admin Supplement.
**AWARD:** $61,283
PI: Yong Cai  
**DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY**  
**AWARDING SPONSOR:** National Institute of Environmental Health Sciences  
**TITLE:** Subproject: Advanced Research Cooperation in Environmental Health Research (ARCH).  
**AWARD:** $56,822

PI: David Twigg  
**JACK D. GORDON INSTITUTE FOR PUBLIC POLICY & CITIZENSHIP STUDIES**  
**AWARDING SPONSOR:** Florida Agricultural and Mechanical University  
**TITLE:** Southeast Regional CAE Fall Colloquium.  
**AWARD:** $50,000

PI: Nakin Suksawang  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Miami-Dade Expressway Authority  
**TITLE:** Long-Term Monitoring of a Segmental Bridge at SR-826/SR836 Interchange Bridge 11.  
**AWARD:** $50,000

PI: Naphtali D Rishe  
**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Knowledge Mining and Bioinformatics Techniques to Advance Personalized Diagnostics and Therapeutics.  
**AWARD:** $49,138

PI: Yong Cai  
**SOUTHEAST ENVIRONMENTAL RESEARCH CENTER (SERC)**  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** Subproject: Florida International University's Research Support to the Department of Energy's Office of Environmental Management.  
**AWARD:** $34,000

PI: Bruce Douglas  
**INTERNATIONAL HURRICANE RESEARCH CENTER (IHRC)**  
**AWARDING SPONSOR:** National Aeronautics & Space Administration (NASA)  
**TITLE:** Global Sea Level in a Changing Climate: Reference Frames, Data Analysis and Interpretation.  
**AWARD:** $33,500

PI: Maria Elena Villar  
**JOURNALISM DEAN’S OFFICE**  
**AWARDING SPONSOR:** South Florida Behavioral Health Network  
**TITLE:** FACES Social Marketing.  
**AWARD:** $30,000

PI: Raju Rangaswami  
**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**  
**AWARDING SPONSOR:** IBM Corporation  
**TITLE:** IBM Ph.D. Fellowship for Jorge Guerra.  
**AWARD:** $30,000
PI: David Twigg
JACK D. GORDON INSTITUTE FOR PUBLIC POLICY & CITIZENSHIP STUD
AWARDING SPONSOR: University of Texas at El Paso
TITLE: Beyond Borders: Regionalism Migration and Security in North America.  AWARD: $ 26,080

PI: Carol Damian
FROST ART MUSEUM
AWARDING SPONSOR: Department of Cultural Affairs
TITLE: Major Cultural Institutions.  AWARD: $ 25,895

PI: Edward Murray
METROPOLITAN CENTER
AWARDING SPONSOR: Housing Finance and Community Development Division
TITLE: 2011 Broward County Affordable Housing Needs Assessment.  AWARD: $ 25,000

PI: Jeffrey Fan
ELECTRICAL AND COMPUTER ENGINEERING
AWARDING SPONSOR: Florida Space Grant & Consortium
TITLE: NASA: Radiation Impacts on Microelectronics in Space Exploration.  AWARD: $ 25,000

PI: Joel Trexler
THE DEPARTMENT OF BIOLOGICAL SCIENCES
AWARDING SPONSOR: United States Army Corp of Engineers
TITLE: The Effects of Wet Season Hydrology Patterns on Prey Populations that Support Wading Bird Populations.  AWARD: $ 23,492