Florida International University researchers were awarded $9,142,372 in October 2011. Listed below is a summary of awards received for $20,000 or more during the month of October.

**PI:** Maria Donoso  
**DEPARTMENT OF EARTH & ENVIRONMENT**  
**AWARDING SPONSOR:** United States Agency for International Development (USAID)  
**TITLE:** West Africa Water Supply, Sanitation and Hygiene (WA-WASH).  
**AWARD:** $1,000,000

**PI:** Maria Donoso  
**DEPARTMENT OF EARTH & ENVIRONMENT**  
**AWARDING SPONSOR:** United States Agency for International Development (USAID)  
**TITLE:** Integrated Natural Resources Management in Watersheds of Georgia.  
**AWARD:** $759,558

**PI:** Naphtali Rishe  
**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** CREST: Center for Innovative Information Systems Engineering.  
**AWARD:** $645,000

**PI:** Ranu Jung  
**BIOMEDICAL ENGINEERING**  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Neural Enabled Prosthesis with Sensorimotor Integration.  
**AWARD:** $607,944

**PI:** Patricia Barbetta  
**DEPARTMENT OF TEACHING AND LEARNING**  
**AWARDING SPONSOR:** Florida Department of Education  
**TITLE:** ESE Tuition Support Project.  
**AWARD:** $400,000

**PI:** Mercedes Vignon  
**INTERNATIONAL MEDIA CENTER (IMC)**  
**AWARDING SPONSOR:** Bureau of Western Hemisphere Affairs  
**TITLE:** The Next Step For Cuba’s Independent Journalists.  
**AWARD:** $376,237

**PI:** Anuradha Godavarty  
**BIOMEDICAL ENGINEERING**  
**AWARDING SPONSOR:** National Cancer Institute  
**TITLE:** Hand-Held Optical Imager For Breast Cancer.  
**AWARD:** $348,194

**PI:** Michael McClain  
**DEPARTMENT OF EARTH & ENVIRONMENT**  
**AWARDING SPONSOR:** United States Agency for International Development (USAID)  
**TITLE:** Subproject: Integrated Water Resources Management Assistant to USAID Missions Worldwide.  
**AWARD:** $300,000
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: $292,288

PI: E. George Simms
STUDENT AFFAIRS
AWARDING SPONSOR: Department of Education
TITLE: Upward Bound Math Science. AWARD: $242,214

PI: Jose Almirall
DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY
AWARDING SPONSOR: National Institute of Justice

PI: Katherine Mansfield
THE SCHOOL OF ENVIRONMENT, ARTS & SOCIETY (SEAS)
AWARDING SPONSOR: University of Miami
TITLE: Habitat use and Behavior. AWARD: $235,500

PI: E. George Simms
STUDENT AFFAIRS
AWARDING SPONSOR: Department of Education
TITLE: Educational Talent Search. AWARD: $230,000

PI: Dorret Sawyers
MULTICULTURAL PROGRAMS AND SERVICES
AWARDING SPONSOR: Department of Education
TITLE: Student Support Services Program. AWARD: $211,602

PI: Gail Gregg
DEPARTMENT OF TEACHING AND LEARNING
AWARDING SPONSOR: Early Learning Coalition of Miami Dade and Monroe
TITLE: Data Management Services. AWARD: $195,709

PI: E. George Simms
STUDENT AFFAIRS
AWARDING SPONSOR: Department of Education
TITLE: Ronald E. McNair Postbaccalaureate Achievement Program. AWARD: $193,835

PI: Seckin Gokaltun
APPLIED RESEARCH CENTER (ARC)
AWARDING SPONSOR: Department of Energy
TITLE: Development of A Two-Fluid Drag Law for Clustered Particles Using Direct Numerical Simulation and Validation Through Experiments. AWARD: $190,172
PI: Kenneth Furton
**INTERNATIONAL FORENSIC RESEARCH INSTITUTE (IFRI)**
**AWARDING SPONSOR:** Department of Education
**TITLE:** Subproject: Opening The Gateways: The High Touch Initiative.  
**AWARD:** $172,408

PI: Kenneth Furton
**INTERNATIONAL FORENSIC RESEARCH INSTITUTE (IFRI)**
**AWARDING SPONSOR:** Department of Education
**TITLE:** Opening The Gateways: The High Touch Initiative.  
**AWARD:** $172,242

PI: Malek Adjouadi
**ELECTRICAL AND COMPUTER ENGINEERING**
**AWARDING SPONSOR:** National Science Foundation
**TITLE:** Subproject: CREST: Center for Innovative Information Systems Engineering.  
**AWARD:** $165,000

PI: Armando Barreto
**ELECTRICAL AND COMPUTER ENGINEERING**
**AWARDING SPONSOR:** National Science Foundation
**TITLE:** Subproject: CREST: Center for Innovative Information Systems Engineering.  
**AWARD:** $165,000

PI: Shekhar Bhansali
**ELECTRICAL AND COMPUTER ENGINEERING**
**AWARDING SPONSOR:** Guided Therapeutics Inc
**TITLE:** Instacortisol: A realtime and continuous assessment of cortisol in ISF.  
**AWARD:** $184,384

PI: Anthony DeCaprio
**INTERNATIONAL FORENSIC RESEARCH INSTITUTE (IFRI)**
**AWARDING SPONSOR:** National Institute of Justice
**TITLE:** Comprehensive Forensic Toxicological Analysis of Designer Drugs.  
**AWARD:** $143,225

PI: Tiffany Troxler
**SOUTHEAST ENVIRONMENTAL RESEARCH CENTER (SERC)**
**AWARDING SPONSOR:** South Florida Water Management District (SFWMD)
**TITLE:** Ecological Monitoring of Southern Everglades Wetlands, Mangrove Transition Zone and White Zone Interactions with Florida Bay.  
**AWARD:** $135,000

PI: Evelyn Gaiser
**SOUTHEAST ENVIRONMENTAL RESEARCH CENTER (SERC)**
**AWARDING SPONSOR:** United States Army Corp of Engineers
**TITLE:** Subproject: The Effects of Wet Season Hydrology Patterns on Prey Populations that Support Wading Bird Populations.  
**AWARD:** $104,903
PI: Jason Liu  
**School of Computing and Information Sciences**  
**Awarding Sponsor:** Global Environment for Network Innovations  
**Title:** PrimoGENI - Developing GENI Aggregates for Real-Time Large-Scale Network Simulation.  
**Award:** $92,206

PI: Haiyan Jiang  
**Department of Earth & Environment**  
**Awarding Sponsor:** National Aeronautics & Space Administration (NASA)  
**Title:** A TRMM-Based Tropical Cyclone Precipitation Feature Database and its Usage on Intensification Study.  
**Award:** $85,760

PI: Jose Almirall  
**Department of Chemistry and Biochemistry**  
**Awarding Sponsor:** National Forensic Science Technology Center  
**Title:** Validation of PSPME for Fast Detection of Drugs and Explosives Using an IMS Detector.  
**Award:** $72,476

PI: John Berry  
**Department of Chemistry and Biochemistry**  
**Awarding Sponsor:** National Institute of Environmental Health Sciences  
**Title:** Subproject: Advanced Research Cooperation in Environmental Health Research (ARCH).  
**Award:** $70,148

PI: Amir Mirmiran  
**Civil and Environmental Engineering**  
**Awarding Sponsor:** National Science Foundation  
**Title:** Subproject: Building Partnerships and Pathways to Address the Foundational Grand Challenge for Engineering - Participant Payments.  
**Award:** $67,944

PI: Bill King  
**Public Safety**  
**Awarding Sponsor:** National Oceanic & Atmospheric Administration (NOAA)  
**Title:** Guard Services for the National Hurricane Center.  
**Award:** $63,448

PI: Shekhar Bhansali  
**Electrical and Computer Engineering**  
**Awarding Sponsor:** National Science Foundation  
**Title:** GOALI: Integrated Microwave Microneedle-Electrode System for Fine Scale Material and Device Characterization.  
**Award:** $62,214

PI: Kenneth Furton  
**International Forensic Research Institute (IFRI)**  
**Awarding Sponsor:** Department of Education  
**Title:** Subproject: Opening The Gateways: The High Touch Initiative.  
**Award:** $57,962
PI: Berrin Tansel  
**Civil and Environmental Engineering**  
**Awarding Sponsor:** Water and Sewer Department  
**Title:** Miami-Dade Water and Sewer Department Water Use Efficiency.  
**Award:** $53,995

PI: Kenneth Furton  
**International Forensic Research Institute (IFRI)**  
**Awarding Sponsor:** National Forensic Science Technology Center  
**Title:** Subproject: Validation of PSPME for Fast Detection of Drugs and Explosives Using an IMS Detector.  
**Award:** $52,721

PI: Julio Ibarra  
**Ciara: Center for Internet Augmented Research**  
**Awarding Sponsor:** Global Environment for Network Innovations  
**Title:** Subproject: PrimoGENI - Developing GENI Aggregates for Real-Time Large-Scale Network Simulation.  
**Award:** $51,794

PI: Andrew Higier  
**Applied Research Center (ARC)**  
**Awarding Sponsor:** National Defense Center for Energy & Environment  
**Title:** Demonstration and Validation of Renewable Energy Suite.  
**Award:** $50,000

PI: Kenneth Furton  
**International Forensic Research Institute (IFRI)**  
**Awarding Sponsor:** Department of Education  
**Title:** Subproject: Opening The Gateways: The High Touch Initiative.  
**Award:** $49,563

PI: Walter Tang  
**Civil and Environmental Engineering**  
**Awarding Sponsor:** Hinkley Center for Solid and Hazardous Waste Management  
**Title:** Enhancement of Biodegradability of Leachate by Fenton Processes.  
**Award:** $40,000

PI: Kenneth Furton  
**International Forensic Research Institute (IFRI)**  
**Awarding Sponsor:** Department of Education  
**Title:** Subproject: Opening The Gateways: The High Touch Initiative.  
**Award:** $39,006

PI: Joseph Boyer  
**Southeast Environmental Research Center (SERC)**  
**Awarding Sponsor:** Nova Southeastern University  
**Title:** Management-Driven Research by the NOAA's Coral Reef Institutes: SE Florida Coral Reef Water Quality Monitoring Project.  
**Award:** $37,602

PI: Masoud Milani  
**Center for Diversity in Engineering & Computing**  
**Awarding Sponsor:** Public Schools  
**Title:** Florida Minorities in Engineering Flame Fall 2011/ Spring 2012.  
**Award:** $36,836
PI: Surendra Saxena  
**MECHANICAL AND MATERIALS ENGINEERING**  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** Latitude Cement.  
**AWARD:** $35,567

PI: Kenneth Furton  
**INTERNATIONAL FORENSIC RESEARCH INSTITUTE (IFRI)**  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** Subproject: Opening The Gateways: The High Touch Initiative.  
**AWARD:** $30,997

PI: E. George Simms  
**STUDENT AFFAIRS**  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** Subproject: Ronald E. McNair Postbaccalaureate Achievement Program.  
**AWARD:** $30,000

PI: Michael Heithaus  
**THE DEPARTMENT OF BIOLOGICAL SCIENCES**  
**AWARDING SPONSOR:** Division of Research  
**TITLE:** The role of Size-Structure Antipredator in Indirect Species Interactions Initiated by Large Predatory Fishes.  
**AWARD:** $29,500

PI: Kenneth Furton  
**INTERNATIONAL FORENSIC RESEARCH INSTITUTE (IFRI)**  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** Subproject: Opening The Gateways: The High Touch Initiative.  
**AWARD:** $27,897

PI: Katherine Mansfield  
**THE SCHOOL OF ENVIRONMENT, ARTS & SOCIETY (SEAS)**  
**AWARDING SPONSOR:** University of Miami  
**TITLE:** Neonate Loggerhead Dispersal.  
**AWARD:** $27,596

PI: Alexander Mebel  
**DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY**  
**AWARDING SPONSOR:** Department of Energy  
**TITLE:** Theoretical Studies of chemical reactions related to the formation and growth of polycyclic aromatic hydrocarbons and molecular properties of their key intermediates  
**AWARD:** $25,991

PI: Naphtali Rishe  
**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Subproject: Center for Innovative Information Systems Engineering.  
**AWARD:** $25,000

PI: Ranu Jung  
**BIOMEDICAL ENGINEERING**  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** Graduate Fellowship in Biomedical Engineering Fund  
**AWARD:** $23,460
PI: Oren Williams  
**EPIDEMIOLOGY AND BIOSTATISTICS**  
**AWARDING SPONSOR:** University of Alabama at Birmingham  
**TITLE:** Research Clinical Training for NCD Studies in India.  
**AWARD:** $23,292

PI: Lidia Kos  
**THE DEPARTMENT OF BIOLOGICAL SCIENCES**  
**AWARDING SPONSOR:** Division of Research  
**TITLE:** Bridge Funding for Dr. Lidia Kos.  
**AWARD:** $20,000

PI: Masoud Milani  
**CENTER FOR DIVERSITY IN ENGINEERING & COMPUTING**  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** Caterpillar 2010 Summer Academy.  
**AWARD:** $20,000