Florida International University researchers were awarded $6,411,824 in July 2012. Listed below is a summary of awards received for the month of July.

**PI:** Jose Almirall  
**INT FORENSIC RSCH INSTITUTE**  
**AWARDING SPONSOR:** Field Forensics Inc.  
**TITLE:** Development of Receiver Operating Characteristic (ROC) Curves for the Use of FAST (PSPME) in Explosives Detection  
**AWARD:** $9,999

**PI:** Eric Bishop-Von Wettberg  
**BIOLOGY**  
**AWARDING SPONSOR:** Fairchild Tropical Botanic Garden  
**TITLE:** Fairchild Tropical Botanic Garden supports research and education in tropical botany. As a tangible expression of this support, they provide graduate student support for individuals working for higher degrees in areas of tropical plant science  
**AWARD:** $23,460

**PI:** Eric Thomas Brewe  
**COE TEACHING AND LEARNING**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Transforming Modeling Instruction: Developing Curriculum Materials for faculty Adoption  
**AWARD:** $85,572

**PI:** Robert Joseph Burgman  
**EARTH AND ENVIRONMENT**  
**AWARDING SPONSOR:** University of Miami  
**TITLE:** Decedal Prediction over North America vs. Pacific Processes  
**AWARD:** $76,650

**PI:** Deron Burkepile  
**DOR - DIVISION OF RESEARCH**  
**AWARDING SPONSOR:** FIU Division of Research  
**TITLE:** Assessing the effects of climate change on the controls of exotic plant invasions  
**AWARD:** $22,613

**PI:** Anthony De Caprio  
**INT FORENSIC RSCH INSTITUTE**  
**AWARDING SPONSOR:** National Cancer Institute  
**TITLE:** Platform for High-Throughput Analysis of Protein Adducts for Carcinogen Exposure  
**AWARD:** $258,454
PI: Maria Donoso  
**EARTH AND ENVIRONMENT**  
**AWARDING SPONSOR:** US Agency for International Development  
**TITLE:** Integrated Water Resource Management  
**AWARD:** $600,000

PI: Stacy Lynn Frazier  
**CENTER FOR CHILDREN AND FAM**  
**AWARDING SPONSOR:** University of Illinois at Chicago  
**TITLE:** Organizational Context and Children’s Mental Health in Urban After School Programs  
**AWARD:** $44,492

PI: Stacy Lynn Frazier  
**PSYCHOLOGY**  
**AWARDING SPONSOR:** University of Illinois at Chicago  
**TITLE:** Center for the Study of Schools as a Context for Urban Children’s Mental Health  
**AWARD:** $3,800

PI: Hector R Fuentes  
**CIVIL AND ENVIRON ENGINEERING**  
**AWARDING SPONSOR:** NASA  
**TITLE:** WaterSCAPES: Science of Coupled Aquatic Processes in Ecosystems from Space  
**AWARD:** $85,088

PI: Evelyn Gaiser  
**SOUTHEAST ENV RESEARCH CTR**  
**AWARDING SPONSOR:** Everglades Foundation  
**TITLE:** Synthesis of Everglades Research & Ecosystem Services II  
**AWARD:** $22,262

PI: Arindam Gan Chowdhury  
**CIVIL AND ENVIRON ENGINEERING**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Progressive Failure Studies of Residential Houses towards Performance Based Hurricane Engineering  
**AWARD:** $127,000

PI: Raul Gonzalez Jr  
**CENTER FOR CHILDREN AND FAM**  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** The Impact of Cannabis Use on the Neurocognitive Functioning of Individuals with HIV/AIDS  
**AWARD:** $449,020

PI: Gail Gregg  
**COE TEACHING AND LEARNING**  
**AWARDING SPONSOR:** Early Learning Coalition of Dade/Monroe  
**TITLE:** Data Management Services  
**AWARD:** $260,945
PI: Mohammed Hadi  
**CIVIL AND ENVIRON ENGINEERING**  
**AWARDING SPONSOR:** University of South Florida  
**TITLE:** Coordinated Pre-Preemption of Traffic Signals to Enhance Railroad Crossing Safety in Urban Areas  
**AWARD:** $ 27,564

PI: Shahid Hamid  
**INTERNATIONAL HURRICANE CENTER**  
**AWARDING SPONSOR:** Castle Key Insurance Company  
**TITLE:** Agreement among Castle Key Insurance Company and Castle Key Indemnity Company, The Florida International University Research Foundation, and The Florida International University Board of Trustees on behalf of Florida International University  
**AWARD:** $ 12,024

PI: Shahid Hamid  
**INTERNATIONAL HURRICANE CENTER**  
**AWARDING SPONSOR:** Fireman's Fund Insurance Company  
**TITLE:** Public Loss Model Service to Industry Agreement among Fireman's Fund Insurance Company, the Florida International University Research Foundation, Inc. and the Florida International University Board of Trustees  
**AWARD:** $ 6,414

PI: Sylvan C Jolibois  
**CIVIL AND ENVIRON ENGINEERING**  
**AWARDING SPONSOR:** U.S. Department of Transportation  
**TITLE:** Dwight D. Eisenhower Transportation Fellowship Program at Florida International University  
**AWARD:** $ 10,000

PI: Ranu Jung  
**BIOMEDICAL ENGINEERING**  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** Biomedical Engineering Exercise Scholarship Fund  
**AWARD:** $ 8,750

PI: Lou Kim  
**FSRTA FACULTY AND STUDENT RSCH**  
**AWARDING SPONSOR:** National Cancer Institute  
**TITLE:** PP2A Regulates development and stress responses  
**AWARD:** $ 43,500

PI: Hong Liu  
**EARTH AND ENVIRONMENT**  
**AWARDING SPONSOR:** Fairchild Tropical Botanic Garden  
**TITLE:** GA for the Fairchild Challenge educational program  
**AWARD:** $ 23,460

PI: Hong Liu  
**EARTH AND ENVIRONMENT**  
**AWARDING SPONSOR:** Fairchild Tropical Botanic Garden  
**TITLE:** Conservation ecology of selected plants in Halmahera, Indonesia Graduate Assistantship for Melissa Abdo  
**AWARD:** $ 23,460
PI: Purnima Madhivanan
**EPIDEMIOLOGY**
**AWARDING SPONSOR:** University of California, Berkeley
**TITLE:** Global Health Fellows and Scholars Program
**AWARD:** $21,600

PI: Dennis Mc Carthy
**OCCUPATIONAL THERAPY**
**AWARDING SPONSOR:** Florida Department of Transportation
**TITLE:** Best Practices in the Use of Hybrid Static-Dynamic Signs
**AWARD:** $33,314

PI: Bruce R Mc Cord
**CHEMISTRY**
**AWARDING SPONSOR:** QIAGEN
**TITLE:** Resolution Enhancement of a Qiagen CE system
**AWARD:** $6,300

PI: Dwayne E McDaniel
**ARC APPLIED RESEARCH CENTER**
**AWARDING SPONSOR:** SAIC
**TITLE:** SAIC-Clogic Defense (Phase II)
**AWARD:** $25,000

PI: Assefa M Melesse
**EARTH AND ENVIRONMENT**
**AWARDING SPONSOR:** NASA
**TITLE:** WaterSCAPES: Science of Coupled Aquatic Processes in Ecosystems from Space
**AWARD:** $80,684

PI: Maria Jose Miguez Perez
**SISH**
**AWARDING SPONSOR:** National Institutes of Health
**TITLE:** Role of BNDF on Risk Behavior Decision Making
**AWARD:** $468,694

PI: Masoud Milani
**OSAS ENGINEERING AND COMPUTING**
**AWARDING SPONSOR:** Children’s Trust
**TITLE:** FIU ENLACE 2012-13
**AWARD:** $90,769

PI: Fernando R Miralles-Wilhelm
**SOUTHEAST ENV RESEARCH CTR**
**AWARDING SPONSOR:** Everglades Foundation
**TITLE:** Modeling of Nutrient Exchange Program for the Everglades
**AWARD:** $20,000

PI: Fernando R Miralles-Wilhelm
**SOUTHEAST ENV RESEARCH CTR**
**AWARDING SPONSOR:** NASA
**TITLE:** WaterSCAPES: Science of Coupled Aquatic Processes in Ecosystems from Space
**AWARD:** $402,056
PI: Giri Narasimhan  
**COMPANY NAME:** Computer Information Sciences  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Graduate Research Fellowship Program  
**AWARD:** $42,000

PI: Steven Oberbauer  
**DEPARTMENT NAME:** Biology  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Causes and implications of dry season control of tropical wet forest tree growth at very high water levels: direct vs indirect limitations  
**AWARD:** $100,000

PI: Rene M Price  
**CENTER NAME:** Southeast Environmental Research Center  
**AWARDING SPONSOR:** NASA  
**TITLE:** WaterSCAPES: Science of Coupled Aquatic Processes in Ecosystems from Space  
**AWARD:** $100,023

PI: Jennifer Rehage  
**CENTER NAME:** Southeast Environmental Research Center  
**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:** $12,000

PI: Jennifer Richards  
**DEPARTMENT NAME:** Biology  
**AWARDING SPONSOR:** Fairchild Tropical Botanic Garden  
**TITLE:** Fairchild Tropical Botanic Garden supports research and education in tropical botany. As a tangible expression of this support, they provide graduate student support for individuals working for higher degrees in areas of tropical plant science  
**AWARD:** $23,460

PI: Naphtali D Rishe  
**COMPANY NAME:** Computer Information Sciences  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** REU Supplement to MRI: Development of a High-Performance Database Appliance for Geospatial Applications  
**AWARD:** $200,000

PI: Naphtali D Rishe  
**COMPANY NAME:** Computer Information Sciences  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Center for Advanced Knowledge Enablement  
**AWARD:** $150,000

PI: Naphtali D Rishe  
**COMPANY NAME:** Computer Information Sciences  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Data Correlation and Fusion for Medical Monitoring  
**AWARD:** $100,000
PI: Naphtali D Rishe  
**Computer Info Sciences**  
**Awarding Sponsor:** National Science Foundation  
**Title:** CREST-I/UCRC-Industry Ecosystem to Pipeline Research  
**Award:** $800,000

PI: Suzanna M Rose  
**Women's Studies Center**  
**Awarding Sponsor:** Children's Trust  
**Title:** PAT4YOU@FIU  
**Award:** $56,437

PI: Suzanna M Rose  
**Psychology**  
**Awarding Sponsor:** Children's Trust  
**Title:** Triple P Project formerly LEAN Project  
**Award:** $39,613

PI: Barry Philip Rosen  
**Cell Biology and Pharm**  
**Awarding Sponsor:** National Institutes of Health  
**Title:** Mechanisms of arsenical transport  
**Award:** $25,056

PI: Michael S Ross  
**Southeast Env Research Ctr**  
**Awarding Sponsor:** U.S. Army  
**Title:** Landscaping Pattern: Marl Prairie/Slough Gradients  
**Award:** $96,281

PI: Michael S Ross  
**Southeast Env Research Ctr**  
**Awarding Sponsor:** U.S. Army  
**Title:** Monitoring of Tree Island Condition in South Everglades  
**Award:** $92,667

PI: Michael S Ross  
**Southeast Env Research Ctr**  
**Awarding Sponsor:** U.S. Army  
**Title:** Landscape Pattern-Ridge, Slough & Tree Island Mosaics  
**Award:** $90,975

PI: Michael S Ross  
**Southeast Env Research Ctr**  
**Awarding Sponsor:** Everglades Foundation  
**Title:** Synthesis of Everglades Research & Ecosystem Services II  
**Award:** $32,509

PI: Surendra K Saxena  
**Mechanical and Mat Engineering**  
**Awarding Sponsor:** FIU Foundation  
**Title:** Latitude Cement  
**Award:** $2,425

PI: Wendy K Silverman  
**Psychology**  
**Awarding Sponsor:** National Institute of Mental Health  
**Title:** Parental Mediation of Child Anxiety CBT Outcome  
**Award:** $578,165
PI: Joel C Trexler
SOUTHEAST ENV RESEARCH CTR
AWARDING SPONSOR: Everglades Foundation
TITLE: Synthesis of Everglades Research & Ecosystem Services II AWARD: $ 52,918

PI: Diana Valle-Riesta
COE TEACHING AND LEARNING
AWARDING SPONSOR: Office of Special Education Programs
TITLE: Project PEACE AWARD: $ 199,997

PI: Wei Wang
MATH AND STATISTICAL SCIENCES
AWARDING SPONSOR: Brown University
TITLE: High order discontinuous Galerkin and weighted essentially non-oscillatory algorithms for compressible turbulence simulations AWARD: $ 34,136

PI: Ophelia I Weeks
BIOLOGY
AWARDING SPONSOR: Indiana University-Purdue University Ind
TITLE: Statement of work for Feng Pan at Indiana-University-Purdue University Indianapolis AWARD: $ 24,336

PI: Hugh E Willoughby
EARTH AND ENVIRONMENT
AWARDING SPONSOR: National Science Foundation
TITLE: Synthesis of Vortex Rossby Wave Dynamics AWARD: $ 185,875