Florida International University researchers were awarded $10,534,323 in APRIL 2012. Listed below is a summary of awards received for the month of APRIL.

PI: Daniel M Bagner
PSYCHOLOGY
AWARDING SPONSOR: National Institute of Mental Health
TITLE: Behavior Problems in Infancy: A Preventive Intervention
AWARD: $ 177,762

PI: Patricia Barbetta
COE TEACHING AND LEARNING
AWARDING SPONSOR: Florida Gulf Coast University
TITLE: Provide tuition payments for spring and summer semesters 2012 to participants in the Florida Autism Spectrum Disorders, Pre-Disability and Severe Profound Disability Endorsement Tuition Support Program (in-state graduate)
AWARD: $ 157,500

PI: Elena Maria Bastida
HEALTH PROMO AND DISEASE PREV
AWARDING SPONSOR: Minority Health and Health Disparities
TITLE: Beyond SABOR: A Border Embedded Health Promotion
AWARD: $ 418,248

PI: Mehmet E Bayraktar
CONSTRUCTION MANAGEMENT
AWARDING SPONSOR: University of Central Florida
TITLE: Development of PSM-Forensic Sciences
AWARD: $ 5,000

PI: Richard L Beaulaurier
ROBERT STEMPPEL CPHSW DEANS OFF
AWARDING SPONSOR: University of Washington
TITLE: DiverCity
AWARD: $ 27,020

PI: Joseph Boyer
SOUTHEAST ENV RESEARCH CTR
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: $ 450,905

PI: Eric Thomas Brewe
COE TEACHING AND LEARNING
AWARDING SPONSOR: Office of Naval Research
TITLE: Pathways to success in STEM
AWARD: $ 22,118
PI: Jerald B Brown  
**Global and Sociocultural Studies**  
**Awarding Sponsor:** FIU Division of Research  
**Title:** Sacred Voices Project  
**Award:** $7,500

PI: Yong Cai  
**Southeast Env Research Ctr**  
**Awarding Sponsor:** Emory University  
**Title:** Arsenic-Induced Apoptosis in Myeloma  
**Award:** $31,384

PI: Alexander D Casas  
**University Police**  
**Awarding Sponsor:** National Oceanic and Atmospheric Admin  
**Title:** Guard Services for the National Hurricane Center  
**Award:** $63,448

PI: Kenneth J Feeley  
**Biology**  
**Awarding Sponsor:** Fairchild Tropical Botanic Garden  
**Title:** Rainforest Conservation and Ecology  
**Award:** $35,550

PI: Quentin Felty  
**FSRTA Faculty and Student Rsch**  
**Awarding Sponsor:** National Institutes of Health  
**Title:** Estrogen Induced Pyk2 Signaling in the Abnormal Growth of Vascular Cells  
**Award:** $10,767

PI: F Javier Francisco Ortega  
**Biology**  
**Awarding Sponsor:** Fairchild Tropical Botanic Garden  
**Title:** Managing the Fairchild Challenge Program  
**Award:** $11,045

PI: F Javier Francisco Ortega  
**Biology**  
**Awarding Sponsor:** Mohammed bin Zayed Species Conservation  
**Title:** Conservation of Pseudophoenix Lediniana  
**Award:** $15,000

PI: Howard A Frank  
**Metropolitan Center**  
**Awarding Sponsor:** Citizens Independent Transportation Trust  
**Title:** The Florida International University Metropolitan Center proposes to conduct a study on the feasibility and potential revenue from a parking rate surcharge  
**Award:** $28,600

PI: Karen Fuller  
**Architect and the Arts Deans Off**  
**Awarding Sponsor:** Miami-Dade County Cultural Affairs  
**Title:** Hannibal Cox Jr Cultural Grants  
**Award:** $30,000
PI: Cheng-Tin Gan  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Georgia Institute of Technology  
**TITLE:** Tier I University Transportation Center (UTC) Program Support  
**AWARD:** $40,000

PI: Cheng-Tin Gan  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Before and After Safety Study of Roadways where New Medians Have been Added  
**AWARD:** $89,275

PI: Arindam Gan Chowdhury  
**INTERNATIONAL HURRICANE CENTER**  
**AWARDING SPONSOR:** Florida Department of Community Affairs  
**TITLE:** Hurricane Loss Reduction for Housing in Florida  
**AWARD:** $127,230

PI: Daniel Gann  
**LIBRARY OPERATIONS**  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** Vegetation changes occurring over time in key areas of ENP will be characterized through a review and analysis of existing vegetation datasets and ENP-specific vegetation literature, as well as with remote sensing methodologies  
**AWARD:** $53,737

PI: Delia C Garcia  
**COE LEADERSHIP AND PROF STU**  
**AWARDING SPONSOR:** U.S. Department of Education  
**TITLE:** Creating Latino Access to Valuable Education  
**AWARD:** $572,120

PI: Piero R Gardinali  
**SOUTHEAST ENVIRONMENTAL RESEARCH CTR**  
**AWARDING SPONSOR:** BP Exploration & Production Inc.  
**TITLE:** Methods/protocol establishment, chemical characterization and toxicity studies to better understand organism exposures to oil, an important step towards more accurate ecological risk assessments  
**AWARD:** $800,000

PI: Piero R Gardinali  
**SOUTHEAST ENVIRONMENTAL RESEARCH CTR**  
**AWARDING SPONSOR:** BP Exploration & Production Inc.  
**TITLE:** Development of an Empirical Database of Aquatic Toxicity Data with a Selected Group of Polycyclic Hydrocarbons  
**AWARD:** $1,400,000

PI: Anibal Gutierrez Jr.  
**PSYCHOLOGY**  
**AWARDING SPONSOR:** University of Miami  
**TITLE:** Advancing Social-Communication and Play (ASAP): An Intervention Program for Preschoolers with Autism  
**AWARD:** $9,878
PI: Shahid Hamid  
**INTERNATIONAL HURRICANE CENTER**  
**AWARDING SPONSOR:** Hartford Fire Insurance Company  
**TITLE:** Public Loss Model Service to Industry Agreement among Hartford Fire Insurance Company/Hartford Underwriters Insurance Company/Hartford Insurance Company of the Midwest/Hartford Insurance Company of the Southeast/Hartford Casualty Insurance Company  
**AWARD:** $16,095

PI: Michael R Heithaus  
**BIOLOGY**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** CAREER: Does Predator Intimidation Help Structure a Pristine Seagrass Community Through Multiple Indirect Pathways?  
**AWARD:** $88,609

PI: Henry Henao  
**NURSING AND HLTH SCI DEANS OFF**  
**AWARDING SPONSOR:** National Council State Boards Nursing  
**TITLE:** National Council of State Boards of Nursing Simulation Study: Assessing Outcomes of Simulated Clinical Experiences in Nursing Education  
**AWARD:** $325,355

PI: Julio E Ibarra  
**CIARA**  
**AWARDING SPONSOR:** University of Puerto Rico  
**TITLE:** AMPATH International Exchange Point Participant Agreement Memorandum of Understanding between The Florida International University Board of Trustees and the University of Puerto Rico  
**AWARD:** $180,000

PI: Haiyan Jiang  
**EARTH AND ENVIRONMENT**  
**AWARDING SPONSOR:** NASA  
**TITLE:** A TRMM-Based Tropical Cyclone Precipitation Feature Database and Its Usage on Intensification Study  
**AWARD:** $101,011

PI: William Jones  
**MECHANICAL AND MAT ENGINEERING**  
**AWARDING SPONSOR:** Massachusetts Institute of Technology  
**TITLE:** High Density Biocompatible Feedthrough Development  
**AWARD:** $24,901

PI: Laird H Kramer  
**PHYSICS**  
**AWARDING SPONSOR:** Office of Naval Research  
**TITLE:** Pathways to success in STEM  
**AWARD:** $2,244

PI: Grover L Larkins  
**ELEC AND COMPUTER ENG**  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** Doped Graphene and Graphite as a Potential High Temperature Supercondutor  
**AWARD:** $169,386
PI: Cathy Leff  
THE WOLFSONIAN  
AWARDING SPONSOR: Andrew W. Mellon Foundation  
TITLE: Support from the Andrew W Mellon Foundation 2012-2015  
AWARD: $ 500,000

PI: Fenfei Leng  
FSRTA FACULTY AND STUDENT RSCH  
AWARDING SPONSOR: Child Health and Human Development  
TITLE: Mechanisms of Transcription-Coupled DNA Supercoiling  
AWARD: $ 236,664

PI: Hong Liu  
EARTH AND ENVIRONMENT  
AWARDING SPONSOR: Fairchild Tropical Botanic Garden  
TITLE: Preliminary Study of The Impacts of Extreme Weather on Wild Orchids in Southwestern China  
AWARD: $ 30,220

PI: Chen Liu  
ELEC AND COMPUTER ENG  
AWARDING SPONSOR: National Science Foundation  
TITLE: BRIDGE: OS-Specific Many Core Design  
AWARD: $ 41,000

PI: Debra Lundy  
SOUTH BEACH WINE AND FOOD FEST  
AWARDING SPONSOR: Miami-Dade County Cultural Affairs  
TITLE: 5th annual Fun & Fit as a Family  
AWARD: $ 12,250

PI: Margaret L Maisel  
LAW DEAN ADMIN AND FACULTY  
AWARDING SPONSOR: Florida Bar Foundation  
TITLE: Education Advocacy Law Clinic  
AWARD: $ 73,363

PI: Maria Jose Miguez Perez  
SISH  
AWARDING SPONSOR: University of Florida  
TITLE: Pharmacotherapy for Alcohol Consumption in HIV Infected Women: randomized trial  
AWARD: $ 14,954

PI: Masoud Milani  
OSAS ENGINEERING AND COMPUTING  
AWARDING SPONSOR: Florida Agricultural and Mechanical Univ  
TITLE: Florida Georgia Louis Stokes Alliances for Minority Participation (FGLSAMP)  
AWARD: $ 46,005

PI: Masoud Milani  
OSAS ENGINEERING AND COMPUTING  
AWARDING SPONSOR: Office of Naval Research  
TITLE: Pathways to success in STEM  
AWARD: $ 28,635
PI: Osama A Mohammed  
**ELEC AND COMPUTER ENG**  
**AWARDING SPONSOR:** Office of Naval Research  
**TITLE:** Real Time Modeling & Simulation Techniques using Intelligent Systems with a Reduced Scale Hardware Demonstration of Smart Controls for Notional Ship Architecture  
**AWARD:** $225,000

PI: Osama A Mohammed  
**ELEC AND COMPUTER ENG**  
**AWARDING SPONSOR:** Office of Naval Research  
**TITLE:** Development of Physics-Based Models for Shipboard Power System Components for Operation, Control and Real-Time Drive Simulation with Hardware in the Loop  
**AWARD:** $299,999

PI: Fernando Noriega  
**BIOLOGY**  
**AWARDING SPONSOR:** Allergy and Infectious Diseases  
**TITLE:** Regulation of Juvenile Hormone Titers in Mosquitoes  
**AWARD:** $438,877

PI: Deng Pan  
**COMPUTER INFO SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** CSR: Small: A Scalable and Efficient Framework for Switch Virtualization  
**AWARD:** $16,000

PI: William E Pelham Jr  
**CENTER FOR CHILDREN AND FAM**  
**AWARDING SPONSOR:** National Institute on Drug Abuse  
**TITLE:** The Development of Drug Use and Abuse in ADHD Adolescents and Young Adults  
**AWARD:** $261,175

PI: William E Pelham Jr  
**CENTER FOR CHILDREN AND FAM**  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Increasing Academic Success in Middle School Students with ADHD  
**AWARD:** $214,392

PI: Raju Rangaswami  
**COMPUTER INFO SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** CSR: Small Energy Proportional Storage Systems  
**AWARD:** $16,000

PI: Lakshmi Narayana Reddi  
**UGS UNIVERSITY GRAD SCHOOL**  
**AWARDING SPONSOR:** Council of Graduate Schools  
**TITLE:** CGS Doctoral Initiative on Minority Completion and Attrition (DIMAC)  
**AWARD:** $30,000
PI: Jennifer Rehage
SOUTHEAST ENV RESEARCH CTR
AWARDING SPONSOR: U.S. Geological Survey
TITLE: The Role of Marsh-Mangrove Interface Habitats as Aquatic
AWARD: $ 20,000

PI: Joerg Reinhold
PHYSICS
AWARDING SPONSOR: Office of Science
TITLE: Nuclear Physics Research at Jefferson Lab
AWARD: $ 407,297

PI: Jennifer Richards
BIOLOGY
AWARDING SPONSOR: National Park Service
TITLE: Vegetation changes occurring over time in key areas of ENP will be characterized through a review and analysis of existing vegetation datasets and ENP-specific vegetation literature, as well as with remote sensing methodologies
AWARD: $ 27,262

PI: Naphtali D Rishe
COMPUTER INFO SCIENCES
AWARDING SPONSOR: National Science Foundation
TITLE: REU Supplement to MRI: Development of a High-Performance Database Appliance for Geospatial Applications
AWARD: $ 16,000

PI: Naphtali D Rishe
COMPUTER INFO SCIENCES
AWARDING SPONSOR: National Science Foundation
TITLE: RAPID: MRI: Development of Database Appliance Module for Multi-Temporal Analysis and Correlation of Gulf Oil Spill related Geospatial Data
AWARD: $ 16,000

PI: Naphtali D Rishe
COMPUTER INFO SCIENCES
AWARDING SPONSOR: National Science Foundation
TITLE: MRI: Development of An Integrated Geospatial Analytics Instrument
AWARD: $ 16,000

PI: Allan Rosenbaum
INST PUB MGMT & COMM SERVICE
AWARDING SPONSOR: Miami-Dade County Cultural Affairs
TITLE: XVII Inter-American Conference of Mayors TDC 11-12
AWARD: $ 14,400

PI: Misak M Sargsian
PHYSICS
AWARDING SPONSOR: U.S. Department of Energy
TITLE: Theoretical Studies of High Energy Electro-Nuclear Processes
AWARD: $ 85,000
PI: Geoffrey S Smith  
**COMPUTER INFO SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** TC: Small: Theory & Applications of Min-Entropy Leakage  
**AWARD:** $16,000

PI: Alex Stepick  
**CENTER LABOR RESEARCH STUDIES**  
**AWARDING SPONSOR:** Unitarian Universalist Association of Co  
**TITLE:** Unitarian Universalist Veatch Program at Shelter Rock Renewal Applications  
**AWARD:** $40,000

PI: Philip K Stoddard  
**BIOLOGY**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Mechanisms of Signal Reliability and Assessment  
**AWARD:** $139,999

PI: Berrin Tansel  
**CIVIL AND ENVIRON ENGINEERING**  
**AWARDING SPONSOR:** Tulane University  
**TITLE:** Transport characteristics of emulsified PHC based oils before and after dispersant application  
**AWARD:** $222,000

PI: Monica Emilia Tremblay  
**DEPT OF DEC SCI AND INFO SYS**  
**AWARDING SPONSOR:** Our Kids of Miami-Dade/Monroe  
**TITLE:** Evaluation of Outcomes Through the Use of Electronic Medical Passports and Our Kids  
**AWARD:** $27,000

PI: Mary Jo Trepka  
**EPIDEMIOLOGY**  
**AWARDING SPONSOR:** Minority Health and Health Disparities  
**TITLE:** Retrospective Cohort Study of Racial Disparities in HIV Survival, Florida  
**AWARD:** $140,697

PI: Maria Mercedes Vigon  
**INTERNATIONAL MEDIA CENTER**  
**AWARDING SPONSOR:** Embassy of the United States in Asuncion  
**TITLE:** Paraguayan Press Week Workshop  
**AWARD:** $2,391

PI: Eric Wagner  
**SCHOOL OF SOCIAL WORK**  
**AWARDING SPONSOR:** Ware Foundation  
**TITLE:** Reducing Underage Drinking among South Florida Teenagers  
**AWARD:** $33,250

PI: Eric Wagner  
**SCHOOL OF SOCIAL WORK**  
**AWARDING SPONSOR:** National Institute on Drug Abuse  
**TITLE:** Brief Intervention fo Substance Using Native Youth  
**AWARD:** $606,466
<table>
<thead>
<tr>
<th>PI: Ophelia I Weeks</th>
<th>BIOLOGY</th>
<th>AWARDING SPONSOR: National Institutes of Health</th>
<th>TITLE: MARC Q BIC (Quantifying Biology in the Classroom)</th>
<th>AWARD: $ 33,738</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI: Ophelia I Weeks</td>
<td>BIOLOGY</td>
<td>AWARDING SPONSOR: General Medical Sciences</td>
<td>TITLE: Florida International University MARC U*STAR Program</td>
<td>AWARD: $ 66,265</td>
</tr>
<tr>
<td>PI: Hakan Yilmazkuday</td>
<td>ECONOMICS</td>
<td>AWARDING SPONSOR: Vanderbilt University</td>
<td>TITLE: International Cities as the Economic Unit of Account: Theory and Measurement</td>
<td>AWARD: $ 19,557</td>
</tr>
<tr>
<td>PI: Keqi Zhang</td>
<td>INTERNATIONAL HURRICANE CENTER</td>
<td>AWARDING SPONSOR: Florida Department of Community Affairs</td>
<td>TITLE: Hurricane Loss Reduction for Housing in Florida</td>
<td>AWARD: $ 572,769</td>
</tr>
<tr>
<td>PI: Ming Zhao</td>
<td>COMPUTER INFO SCIENCES</td>
<td>AWARDING SPONSOR: National Science Foundation</td>
<td>TITLE: HECURA: QoS-driven I/O Management for High-End Computing Systems</td>
<td>AWARD: $ 16,000</td>
</tr>
</tbody>
</table>