Florida International University researchers were awarded $5,280,694 in April 2011. Listed below is a summary of awards received for $20,000 or more during the month of April.

PI: David Roelant  
**APPLIED RESEARCH CENTER**  
**AWARDING SPONSOR:** Office of Environmental Management  
**TITLE:** Subproject(s): Florida International University’s Research Support to the Department of Energy’s Office of Environmental Management  
**AWARD:** $2,493,000

PI: Cesar Levy  
**MECHANICAL AND MATERIALS ENGINEERING**  
**AWARDING SPONSOR:** Army Research Office  
**TITLE:** Investigation of Multi-Functional Ferroelectric Nanorod/Carbon Nanotube/Polymer Composites and Shape Memory Alloy Treatment for Vibration Control of Fire Control System to improve Firing Accuracy  
**AWARD:** $548,858

PI: Albert Gan  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** ITS Research, Computer, and Miscellaneous Support (WO#14)  
**AWARD:** $300,000

PI: Mary Jo Tepka  
**EPIDEMIOLOGY AND BIOSTATISTICS**  
**AWARDING SPONSOR:** National Center on Minority Health and Health Disparities  
**TITLE:** Retrospective Cohort Study of Racial Disparities in HIV Survival, Florida  
**AWARD:** $222,796

PI: Nakin Suksawang  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Performance of High Performance Concrete HPC in Low pH and Sulfate Environment  
**AWARD:** $163,356

PI: Heidi Alvarez  
**CENTER FOR INTERNET AUGMENTED RESEARCH (CIARA)**  
**AWARDING SPONSOR:** University of Illinois at Chicago  
**TITLE:** PIRE: Open Science Data Cloud  
**AWARD:** $130,000

PI: Mario De La Rosa  
**CENTER FOR RESEARCH ON US LATINO AIDS/HIV/DRUG ABUSE (CRUSADA)**  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Subproject: FIU’s Haitian Disaster Relieve Initiative  
**AWARD:** $108,750
PI: Tao Li  
**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**  
**AWARDING SPONSOR:** Army Research Office  
**TITLE:** Unsupervised Learning from Multiple Information Sources  
**AWARD:** $100,000

PI: Uva De Aragon  
**LATIN AMERICAN AND CARIBBEAN CENTER (LACC)**  
**AWARDING SPONSOR:** Ford Foundation  
**TITLE:** La Diaspora Cubana y El Desarrollo del Sector Emprendedor  
**AWARD:** $100,000

PI: Albert Gan  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** Development of Florida Transit Information System (FTIS) 2012  
**AWARD:** $79,858

PI: Misak Sargsian  
**PHYSICS**  
**AWARDING SPONSOR:** Department of Energy  
**TITLE:** Theoretical Studies of High Energy Electro-Nuclear Processes  
**AWARD:** $72,000

PI: Leonard Scinto  
**SOUTHEAST ENVIRONMENTAL RESEARCH CENTER (SERC)**  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** Soil Characterization in Selected STAs - STA5  
**AWARD:** $49,851

PI: Daniel Gann  
**UNIVERSITY LIBRARIES**  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** Determine the Effectiveness of Vegetation Classification Using WV2 Imagery for the GE  
**AWARD:** $49,604

PI: Sarah Erickson  
**BIOMEDICAL ENGINEERING**  
**AWARDING SPONSOR:** American Cancer Society  
**TITLE:** Clinical Translation of a Hand-Held Optical Imager for Breast Imaging  
**AWARD:** $48,000

PI: Surendra Saxena  
**MECHANICAL AND MATERIALS ENGINEERING**  
**AWARDING SPONSOR:** Carnegie Institution of Washington  
**TITLE:** High Pressure Geophysics & Materials - CDAC Year 7  
**AWARD:** $45,092

PI: Heidi Alvarez  
**CENTER FOR INTERNET AUGMENTED RESEARCH (CIARA)**  
**AWARDING SPONSOR:** University of Illinois at Chicago  
**TITLE:** Subproject: PIRE: Open Science Data Cloud  
**AWARD:** $45,000
<table>
<thead>
<tr>
<th>PI</th>
<th>Laboratory</th>
<th>Awarding Sponsor</th>
<th>Title</th>
<th>Award</th>
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<tbody>
<tr>
<td>Carol Stepick</td>
<td>Center for Labor Research and Studies (CLRS)</td>
<td>Unitarian Universalist Veatch Program at Shelter Rock</td>
<td>Research Issues on Social and Economic Policy</td>
<td>$40,000</td>
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<td>Tiffany Troxler</td>
<td>Southeast Environmental Research Center (SERC)</td>
<td>South Florida Water Management District</td>
<td>Hydrogeochemical Patterns at Temporal and Spatial Scales of A &quot;Pristine&quot; Island and A Degraded Tree Island Located in WCA-3A: Restoring Ecological Function of Degraded Tree Islands</td>
<td>$39,600</td>
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<td>Michael Ross</td>
<td>Southeast Environmental Research Center (SERC)</td>
<td>South Florida Water Management District</td>
<td>Vascular Plant Community Composition and Distribution in CSSS Sup-Population D</td>
<td>$38,531</td>
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<td>David Twigg</td>
<td>Jack D. Gordon Institute for Public Policy &amp; Citizenship Studies</td>
<td>Office of the Director of National Intelligence</td>
<td>Subproject: Program in National Security Studies</td>
<td>$37,032</td>
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<td>Mohammed Hadi</td>
<td>Civil and Environmental Engineering</td>
<td>Florida Department of Transportation/District Four</td>
<td>Development of Software to Support ITS Data Visualization and Incident Alarms</td>
<td>$36,648</td>
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<td>Mark Williams</td>
<td>Health Policy and Management</td>
<td>National Institute of Allergy and Infectious Diseases</td>
<td>Tanzanian Drug Treatment as AIDS Prevention-Reliability and Validity Study</td>
<td>$36,366</td>
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<td>Masoud Milani</td>
<td>Center for Diversity in Engineering &amp; Computing</td>
<td>The Non-Violence Project USA, Inc.</td>
<td>ACHIEVE</td>
<td>$35,801</td>
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<tr>
<td>James Heffernan</td>
<td>Southeast Environmental Research Center (SERC)</td>
<td>University of Florida</td>
<td>Mechanism of Ridge-Slough Maintenance and Degradation Across the Greater Everglades</td>
<td>$35,709</td>
</tr>
</tbody>
</table>
PI: Mohammed Hadi  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** FDOT District 6 Arterial Travel Time and Invident Detection Phase II  
**AWARD:** $35,701

PI: Carol Stepick  
**CENTER FOR LABOR RESEARCH AND STUDIES (CLRS)**  
**AWARDING SPONSOR:** French American Charitable Trust  
**TITLE:** Fundraising Assistance Project for RISEP  
**AWARD:** $35,000

PI: William Pelham  
**CENTER FOR CHILDREN AND FAMILIES (CCF)**  
**AWARDING SPONSOR:** Society of Clinical Child and Adolescent Psychology  
**TITLE:** Subproject: Dissemination Initiative  
**AWARD:** $34,650

PI: Mohammed Hadi  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Florida Department of Transportation/District Four  
**TITLE:** Incident Delay Estimation and Associate Benefits  
**AWARD:** $32,570

PI: Hong Liu  
**DEPARTMENT OF EARTH & ENVIRONMENT**  
**AWARDING SPONSOR:** Fairchild Tropical Botanic Garden  
**TITLE:** Preliminary Study of The impacts of Extreme Weather on Wild Orchids in Southwestern China  
**AWARD:** $30,217

PI: Phillip Stoddard  
**BIOLOGICAL SCIENCES**  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Mechanisms of Signal Reliability and Assessment  
**AWARD:** $26,353

PI: Hai Deng  
**ELECTRICAL AND COMPUTER ENGINEERING**  
**AWARDING SPONSOR:** National Space Grant Foundation  
**TITLE:** ISAR for Interior Mapping of Asteroid  
**AWARD:** $26,240

PI: David Twigg  
**JACK D. GORDON INSTITUTE FOR PUBLIC POLICY AND CITIZENSHIP STUDIES**  
**AWARDING SPONSOR:** Office of the Director of National Intelligence  
**TITLE:** Program in National Security Studies  
**AWARD:** $22,633

PI: Walter Tang  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** City of Opa-Locka  
**TITLE:** Peak Flow Management Study in City of Opa-Locka  
**AWARD:** $20,000