

**FLORIDA INTERNATIONAL UNIVERSITY DIVISION OF RESEARCH**  
**OFFICE OF SPONSORED RESEARCH**  
**JUNE AWARDS OVERVIEW**

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Florida International University researchers were awarded **\$11,657,451** in June 2009. Listed below is a summary of awards received for *\$20,000 or more* during the month of June.

<b>PI:</b> Jerry F. Miller Applied Research Center <b>AWARDING SPONSOR:</b> United States Southern Command <b>TITLE:</b> <i>FIU &amp; USSOUTHCOM Academic Partnership</i>	<b>AWARD:</b> \$ 900,000
<b>PI:</b> Ray Thomlinson School of Social Work <b>AWARDING SPONSOR:</b> Florida Department of Children and Families <b>TITLE:</b> <i>Subproject: Child Welfare Preservice Curriculum Development Project</i>	<b>AWARD:</b> \$ 821,677
<b>PI:</b> David Roelant Applied Research Center <b>AWARDING SPONSOR:</b> Department of Energy <b>TITLE:</b> <i>Subproject: ARC FY 06 Project 1.0</i>	<b>AWARD:</b> \$ 656,351
<b>PI:</b> James Jaccard Psychology <b>AWARDING SPONSOR:</b> National Institute on Alcohol Abuse and Alcoholism <b>TITLE:</b> <i>Underage Drinking in Latino Youth</i>	<b>AWARD:</b> \$ 629,582
<b>PI:</b> Wendy K. Silverman Psychology <b>AWARDING SPONSOR:</b> National Institute of Mental Health <b>TITLE:</b> <i>Parental Mediation of Child Anxiety CBT Outcome</i>	<b>AWARD:</b> \$ 617,583
<b>PI:</b> David Roelant Applied Research Center <b>AWARDING SPONSOR:</b> Department of Energy <b>TITLE:</b> <i>Subproject: ARC FY 06 Project 3.0</i>	<b>AWARD:</b> \$ 525,000
<b>PI:</b> Luis Salas Center for Administration of Justice <b>AWARDING SPONSOR:</b> United States Agency for International Development <b>TITLE:</b> <i>Subproject: Colombia Justice Reform and Modernization Program</i>	<b>AWARD:</b> \$ 505,000
<b>PI:</b> Marianna K. Baum Dietetics and Nutrition <b>AWARDING SPONSOR:</b> National Institute on Alcohol Abuse and Alcoholism <b>TITLE:</b> <i>Alcohol &amp; Antiretrovirals in HIV Infection, Oxidative Stress and Liver Disease</i>	<b>AWARD:</b> \$ 488,095

<b>PI:</b> David Roelant Applied Research Center <b>AWARDING SPONSOR:</b> Department of Energy <b>TITLE:</b> <i>ARC FY 06 Project 1.0</i>	<b>AWARD: \$</b> 427,425
<b>PI:</b> David Roelant Applied Research Center <b>AWARDING SPONSOR:</b> Department of Energy <b>TITLE:</b> <i>Subproject: ARC FY 06 Project 4.0</i>	<b>AWARD: \$</b> 427,425
<b>PI:</b> Evelyn Gaiser Southeast Environmental Research Center <b>AWARDING SPONSOR:</b> National Park Service <b>TITLE:</b> <i>Water Quality/Soils and Ecological Effects of Pilot Spreader Swales Along the Tamiami Trail in Everglades National Park</i>	<b>AWARD: \$</b> 351,966
<b>PI:</b> Michael McClain Environmental Studies <b>AWARDING SPONSOR:</b> United States Agency for International Development <b>TITLE:</b> <i>Morocco Water and Development Alliance</i>	<b>AWARD: \$</b> 350,000
<b>PI:</b> Mario De La Rosa School of Social Work <b>AWARDING SPONSOR:</b> National Institute of Child Health and Human Development <b>TITLE:</b> <i>Center for Substance use and AIDS Research on Latinos in the United States – Year 3</i>	<b>AWARD: \$</b> 315,731
<b>PI:</b> Alexander Agoulnik Medicine Dean’s Office <b>AWARDING SPONSOR:</b> National Institutes of Health <b>TITLE:</b> <i>Genetic Basis of Testicular Decent</i>	<b>AWARD: \$</b> 311,645
<b>PI:</b> Sofia Santiesteban Upward Bound Program <b>AWARDING SPONSOR:</b> Department of Education <b>TITLE:</b> <i>Upward Bound Program</i>	<b>AWARD: \$</b> 289,289
<b>PI:</b> Nikolaos Tsoukias Biomedical Engineering <b>AWARDING SPONSOR:</b> National Institutes of Health <b>TITLE:</b> <i>Theoretical and Experimental Investigations of Microcirculatory Signaling (SCI)</i>	<b>AWARD: \$</b> 280,000
<b>PI:</b> De Etta Kay Mills Biological Sciences <b>AWARDING SPONSOR:</b> National Geospatial-Intelligence Agency <b>TITLE:</b> <i>Microbial Metagenomic Profiling using Multi-taxa DNA Profiling, Bioinformatics and New Separation Techniques to Discriminate Soil Specimens</i>	<b>AWARD: \$</b> 239,143

<p><b>PI:</b> Joel Trexler Southeast Environmental Research Center <b>AWARDING SPONSOR:</b> National Park Service <b>TITLE:</b> <i>Analyzing the Impact of the Intermediate Operating Plan (IOP) in the Eastern Everglades, Everglades National Park</i></p>	<b>AWARD: \$</b> 236,550
<p><b>PI:</b> Alexander Agoulnik Medicine Dean's Office <b>AWARDING SPONSOR:</b> National Institutes of Health <b>TITLE:</b> <i>Role of Y Chromosomal Genes in Male Fertility</i></p>	<b>AWARD: \$</b> 228,495
<p><b>PI:</b> Cristina Eguizabal Latin American and Caribbean Center <b>AWARDING SPONSOR:</b> University of Florida <b>TITLE:</b> <i>National Resource Center (NRC) &amp; Foreign Language and Area Studies (FLAS) Programs</i></p>	<b>AWARD: \$</b> 228,000
<p><b>PI:</b> Barry Rosen Medicine Dean's Office <b>AWARDING SPONSOR:</b> National Institute of Allergy and Infectious Diseases <b>TITLE:</b> <i>Metal Binding Domains in Metalloregulatory Proteins</i></p>	<b>AWARD: \$</b> 175,001
<p><b>PI:</b> David Roelant Applied Research Center <b>AWARDING SPONSOR:</b> Department of Energy <b>TITLE:</b> <i>Subproject: ARC FY 06 Project 2.0</i></p>	<b>AWARD: \$</b> 170,150
<p><b>PI:</b> Charles Bigger Biological Sciences <b>AWARDING SPONSOR:</b> National Institute of General Medical Sciences <b>TITLE:</b> <i>Subproject: MBRS Research Initiative for Scientific Enhancement</i></p>	<b>AWARD: \$</b> 168,663
<p><b>PI:</b> Ray Thomlison Stempel School of Public Health <b>AWARDING SPONSOR:</b> Our Kids of Miami-Dade/Monroe, Inc. <b>TITLE:</b> <i>District 11/Our Kids, Inc.</i></p>	<b>AWARD: \$</b> 128,096
<p><b>PI:</b> Quentin Felty Environmental and Occupational Health <b>AWARDING SPONSOR:</b> Florida Department of Health <b>TITLE:</b> <i>Metastases and Promotion of Aggressive Neovascular Phenotype In Breast Cancer</i></p>	<b>AWARD: \$</b> 125,000
<p><b>PI:</b> Purushothaman Damodaran Industrial and Systems Engineering <b>AWARDING SPONSOR:</b> Innovative Scheduling <b>TITLE:</b> <i>Development of a Flat Simulation Optimizer</i></p>	<b>AWARD: \$</b> 109,998

<p><b>PI:</b> Norman Munroe Applied Research Center <b>AWARDING SPONSOR:</b> National Institutes of Health <b>TITLE:</b> <i>Enhanced Biocompatibility of NiTi (NITINOL) via Surface Treatment and Alloying</i></p>	<b>AWARD: \$</b> 107,998
<p><b>PI:</b> Anthony DeCaprio Chemistry <b>AWARDING SPONSOR:</b> Montefiore Medical Center <b>TITLE:</b> <i>Molecular Mechanisms of Hexacarbon Induced Axon Atrophy</i></p>	<b>AWARD: \$</b> 107,875
<p><b>PI:</b> Watson Lees Chemistry <b>AWARDING SPONSOR:</b> National Institute of General Medical Sciences <b>TITLE:</b> <i>Using Visible Light to Modulate Biological Systems</i></p>	<b>AWARD: \$</b> 105,800
<p><b>PI:</b> Yifu Zhu Physics <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> <i>Manipulating Photon-Atom Interactions with Atomic Coherence and Interference</i></p>	<b>AWARD: \$</b> 100,000
<p><b>PI:</b> Chunlei Wang Mechanical and Materials Engineering <b>AWARDING SPONSOR:</b> American Chemical Society <b>TITLE:</b> <i>Mesoporous SnO Composites for Li-ion Batteries</i></p>	<b>AWARD: \$</b> 100,000
<p><b>PI:</b> Leonard Scinto Southeast Environmental Research Center <b>AWARDING SPONSOR:</b> South Florida Water Management District <b>TITLE:</b> <i>LILA Tree Island, Ridge, Slough Studies and Site Management</i></p>	<b>AWARD: \$</b> 99,981
<p><b>PI:</b> Rajamani Narayanan Physics <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> <i>Lattice Field Theory and Hadronic Physics</i></p>	<b>AWARD: \$</b> 95,358
<p><b>PI:</b> De Etta Kay Mills Biological Sciences <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> <i>Collaborative Research: "New Medium for DNA Separation of Microbial Communities"</i></p>	<b>AWARD: \$</b> 94,321
<p><b>PI:</b> David Bergwall Architecture <b>AWARDING SPONSOR:</b> Miami-Dade County School Board <b>TITLE:</b> <i>DASH Dual Enrollment</i></p>	<b>AWARD: \$</b> 92,120

<p><b>PI:</b> Joel Trexler Biological Sciences <b>AWARDING SPONSOR:</b> National Park Service <b>TITLE:</b> <i>Effects of Landscape Features and Connectivity on Dispersal of Fish Across the Everglades Landscape</i></p>	<b>AWARD: \$</b> 82,950
<p><b>PI:</b> Bianca Premo History <b>AWARDING SPONSOR:</b> American Council of Learned Societies <b>TITLE:</b> <i>Taking Tyrants to Court: Civil Litigation in the Spanish Empire during the Enlightenment</i></p>	<b>AWARD: \$</b> 75,000
<p><b>PI:</b> Naphtali D. Rishe School of Computing and Information Sciences <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> <i>Subproject: Collaborative Research: Center for Advanced Knowledge Enablement</i></p>	<b>AWARD: \$</b> 75,000
<p><b>PI:</b> Vish Prasad Engineering Dean's Office <b>AWARDING SPONSOR:</b> FIU Foundation <b>TITLE:</b> <i>Miami Children's Hospital Professorship in NeuroEngineering</i></p>	<b>AWARD: \$</b> 58,241
<p><b>PI:</b> Richard Burton Applied Research Center <b>AWARDING SPONSOR:</b> Science Applications International Corporation <b>TITLE:</b> <i>SAIC Interns</i></p>	<b>AWARD: \$</b> 52,314
<p><b>PI:</b> Stavros Georgakopoulos Electrical and Computer Engineering <b>AWARDING SPONSOR:</b> Motorola <b>TITLE:</b> <i>Engineering Design and Simulation for K-12 Minority Students</i></p>	<b>AWARD: \$</b> 50,700
<p><b>PI:</b> Hugh Gladwin Institute for Public Opinion Research <b>AWARDING SPONSOR:</b> National Institute of Mental Health <b>TITLE:</b> <i>Subproject: Prescribing Psychotropic Drugs to Youth: Cultural Factors in Parental Attitudes</i></p>	<b>AWARD: \$</b> 50,000
<p><b>PI:</b> Sofia Santiesteban Upward Bound Program <b>AWARDING SPONSOR:</b> Department of Education <b>TITLE:</b> <i>Subproject: Upward Bound Program</i></p>	<b>AWARD: \$</b> 49,654
<p><b>PI:</b> Nakin Suksawang Civil and Environmental Engineering <b>AWARDING SPONSOR:</b> Rutgers, the State University of New Jersey <b>TITLE:</b> <i>Finite Element Analysis and Field Monitoring of Structure No. N2.01 (Newark Bay Bridge)</i></p>	<b>AWARD: \$</b> 45,000

<b>PI:</b> James Heffernan Southeast Environmental Research Center <b>AWARDING SPONSOR:</b> University of Florida <b>TITLE:</b> <i>Hyporheic Nitrogen Metabolism of Spring Run and Blackwater Rivers</i>	<b>AWARD:</b> \$ 42,101
<b>PI:</b> Bill King Public Safety <b>AWARDING SPONSOR:</b> National Oceanic & Atmospheric Administration <b>TITLE:</b> <i>Guard Services for the National Hurricane Center 2004-2009</i>	<b>AWARD:</b> \$ 39,731
<b>PI:</b> Luis Prieto-Portar Civil and Environmental Engineering <b>AWARDING SPONSOR:</b> Miami-Dade County Water and Sewer Department <b>TITLE:</b> <i>Wastewater Treatment Facilities Op Testing</i>	<b>AWARD:</b> \$ 38,500
<b>PI:</b> Richard Burton Applied Research Center <b>AWARDING SPONSOR:</b> Science Applications International Corporation <b>TITLE:</b> <i>SAIC Support to JSC Engineer III</i>	<b>AWARD:</b> \$ 38,309
<b>PI:</b> Misak Sargsian Physics <b>AWARDING SPONSOR:</b> Department of Energy <b>TITLE:</b> <i>Theoretical Studies of High Energy Electron-Nuclear Processes</i>	<b>AWARD:</b> \$ 37,498
<b>PI:</b> Charles Bigger Minority Biomedical Research Support Program (MBRS) <b>AWARDING SPONSOR:</b> National Institute of General Medical Sciences <b>TITLE:</b> <i>MBRS Research Initiative for Scientific Enhancement</i>	<b>AWARD:</b> \$ 30,553
<b>PI:</b> Fabian Cevallos Civil and Environmental Engineering <b>AWARDING SPONSOR:</b> Miami-Dade County Public Works Department <b>TITLE:</b> <i>NW 67 Avenue Traffic Study</i>	<b>AWARD:</b> \$ 29,078
<b>PI:</b> Anuradha Godavarty Biomedical Engineering <b>AWARDING SPONSOR:</b> National Institutes of Health <b>TITLE:</b> <i>Subproject: A Novel Hand-Held Based Optical Imager for Fluorescence Imaging of Breast Cancer</i>	<b>AWARD:</b> \$ 26,795
<b>PI:</b> Richard Burton Applied Research Center <b>AWARDING SPONSOR:</b> Science Applications International Corporation <b>TITLE:</b> <i>SAIC Support to JSC Adm II</i>	<b>AWARD:</b> \$ 25,539

**PI:** Ray Thomlison  
School of Social Work  
**AWARDING SPONSOR:** Florida Department of Children and Families  
**TITLE:** *Child Welfare Preservice Curriculum Development Project*      **AWARD:** \$ 23,800

**PI:** Hugh Gladwin  
Institute for Public Opinion Research  
**AWARDING SPONSOR:** United States Geological Survey  
**TITLE:** *Technical Assistance on Quality of Life Sub-Model of the USGS Ecological Portfolio Model*      **AWARD:** \$ 23,633