

FLORIDA INTERNATIONAL UNIVERSITY DIVISION OF RESEARCH
OFFICE OF SPONSORED RESEARCH
SEPTEMBER AWARDS OVERVIEW

Florida International University researchers were awarded **\$15,096,578** in September 2009. Listed below is a summary of awards received for *\$20,000 or more* during the month of September.

PI: Mario De La Rosa
School of Social Work
AWARDING SPONSOR: National Institute of Child Health and Human Development
TITLE: *Center for Substance Use and AIDS Research on Latinos in the United States- Year 3* **AWARD:** \$ 1,262,927

PI: Michael McClain
Latin American and Caribbean Center
AWARDING SPONSOR: United States Agency for International Development
TITLE: *Transboundary Water for Biodiversity in the Mara River Basin, Kenya and Tanzania* **AWARD:** \$ 1,208,160

PI: Gail Gregg
Department of Curriculum and Instruction
AWARDING SPONSOR: Early Learning Coalition of Miami Dade and Monroe
TITLE: *QRIS – Quality Rating Improvement System Project* **AWARD:** \$ 871,011

PI: Charles Bigger
Biological Sciences
AWARDING SPONSOR: National Institute of General Medical Sciences
TITLE: *Subproject: MBRS Research Initiative for Scientific Enhancement* **AWARD:** \$ 680,002

PI: Mario De La Rosa
Center for Research on US Latino AIDA/HIV/Drug Abuse
AWARDING SPONSOR: National Center on Minority Health and Health Disparities
TITLE: *Subproject: Center for Substance Use and AIDA Research on Latinos in the United States* **AWARD:** \$ 600,000

PI: Delia Garcia
Department of Educational Leadership and Policy Studies
AWARDING SPONSOR: Department of Education
TITLE: *Creating Latino Access to Valuable Education* **AWARD:** \$ 531,711

PI: Pete Markowitz
Physics
AWARDING SPONSOR: National Science Foundation
TITLE: *CHEPREO* **AWARD:** \$ 470,000

PI: Laird Kramer Physics AWARDING SPONSOR: National Science Foundation TITLE: <i>Subproject: CHEPREO</i>	AWARD: \$ 441,451
PI: Ming Zhao School of Computing and Information Sciences AWARDING SPONSOR: National Science Foundation TITLE: <i>HECURA: QoS-Driven I/O Management for High-End Computing Systems</i>	AWARD: \$ 384,343
PI: Rene M. Price Southeast Environmental Research Center AWARDING SPONSOR: National Park Service TITLE: <i>Physical Science Monitoring and Data Management</i>	AWARD: \$ 379,908
PI: Maria-Jose Miguez Stempel School of Public Health AWARDING SPONSOR: National Institutes of Health TITLE: <i>Platelets Mediating Alcohol & HIV Damage</i>	AWARD: \$ 368,912
PI: Madhavan Nair Medicine Dean's Office AWARDING SPONSOR: National Institute on Drug Abuse (NIDA) TITLE: <i>Immunopathogenesis of HIV-1 Infection: Role of Methamphetamine</i>	AWARD: \$ 357,276
PI: Mary Jo Trepka Epidemiology and Biostatistics AWARDING SPONSOR: National Center on Minority Health and Health Disparities TITLE: <i>Retrospective Cohort Study of Racial Disparities in HIV Survival, Florida</i>	AWARD: \$ 351,892
PI: Rudolf Jaffe Southeast Environmental Research Center AWARDING SPONSOR: National Park Service TITLE: <i>Renewal: Provide Office Services and Operational Technical Support to the South Florida Ecosystem Restoration Task Force, Office of the Executive Director</i>	AWARD: \$ 349,521
PI: Madhavan Nair Medicine Dean's Office AWARDING SPONSOR: National Institute on Drug Abuse (NIDA) TITLE: <i>Role of Cocaine in Neuro-AIDS by HIV B and C Clades</i>	AWARD: \$ 337,768
PI: David Roelant Applied Research Center AWARDING SPONSOR: Department of Energy TITLE: <i>ARC FY 06 Project 1.0</i>	AWARD: \$ 322,575

PI: David Roelant Applied Research Center AWARDING SPONSOR: Department of Energy TITLE: <i>Subproject: ARC FY 06 Project 4.0</i>	AWARD: \$ 322,575
PI: Michael McClain Environmental Studies AWARDING SPONSOR: United States Agency for International Development TITLE: <i>Integrated Water Resources Management Assistant to USAID Missions Worldwide</i>	AWARD: \$ 300,000
PI: Gail Hollander Southeast Environmental Research Center AWARDING SPONSOR: National Science Foundation TITLE: <i>Social and Ecological Vulnerabilities in the City of Miami</i>	AWARD: \$ 299,169
PI: Fatma Huffman Dietetics and Nutrition AWARDING SPONSOR: National Institutes of Health TITLE: <i>CVD Risk in Minority Populations with and without Type 2 Diabetes: Haitian & Black</i>	AWARD: \$ 288,209
PI: Jiuhua Chen Mechanical and Materials Engineering AWARDING SPONSOR: Department of Energy TITLE: <i>Influence of Pressure on Physical Property of Ammonia Borane and its Re-hydrogenation</i>	AWARD: \$ 250,000
PI: Gang Quan Electrical and Computer Engineering AWARDING SPONSOR: National Science Foundation TITLE: <i>Leakage-Aware Temperature-Constrained Real-Time Scheduling</i>	AWARD: \$ 249,357
PI: Leung Kim Biological Sciences AWARDING SPONSOR: National Institutes of Health TITLE: <i>PP2A Regulates Development and Stress Responses</i>	AWARD: \$ 241,692
PI: Igor Tsukanov Mechanical and Materials Engineering AWARDING SPONSOR: National Science Foundation TITLE: <i>Engineering Analysis of Imprecise Models</i>	AWARD: \$ 194,999
PI: Kathleen Rein Chemistry AWARDING SPONSOR: National Institute of Environmental Health Sciences TITLE: <i>Subproject: Advanced Research Cooperation in Environmental Health (ARCH)</i>	AWARD: \$ 179,048

PI: Kathleen Rein Chemistry AWARDING SPONSOR: National Institute of Environmental Health Sciences TITLE: <i>Advanced Research Cooperation in Environmental Health (ARCH)</i>	AWARD: \$ 175,028
PI: Richard Burton Applied Research Center AWARDING SPONSOR: Ball Aerospace & Technologies Corp. TITLE: Ball - CEI	AWARD: \$ 160,998
PI: Joan Wynne Center for Urban Education and Innovation AWARDING SPONSOR: Algebra Project TITLE: <i>The Development of Student Cohorts for the Enhancement of Mathematical Literacy in Underserved Populations</i>	AWARD: \$ 158,297
PI: Gail Gregg Department of Curriculum and Instruction AWARDING SPONSOR: Administration on Children, Youth and Families TITLE: <i>Subproject: HEAT, Headstart Educators Advanced Training</i>	AWARD: \$ 149,997
PI: Elisabeth Prugl Center for Transnational & Comperative Studies AWARDING SPONSOR: European Commission TITLE: <i>Subproject: Miami-Florida European Union Center of Excellence</i>	AWARD: \$ 140,218
PI: Cristina Eguizabal Latin American and Caribbean Center AWARDING SPONSOR: University of Florida TITLE: <i>National Resource Centers Program for Language and Area or Language and International Studies</i>	AWARD: \$ 139,364
PI: Michael Ross Southeast Environmental Research Center AWARDING SPONSOR: United States Army Corp of Engineers TITLE: <i>Monitoring of Tree Island Condition in the Southern Everglades</i>	AWARD: \$ 132,250
PI: David Cohen School of Social Work AWARDING SPONSOR: National Institute of Mental Health TITLE: <i>Prescribing Psychotropic Drugs to Youth: Cultural Factors in Parental Attitudes</i>	AWARD: \$ 129,600
PI: Craig Layman Biolgoical Sciences AWARDING SPONSOR: National Science Foudnation TITLE: <i>Collaborative Research: Human-Induced Phenotypic Variation in an Endemic Livebearing Fish</i>	AWARD: \$ 120,777

PI: Anuradha Godavarty University health Services AWARDING SPONSOR: Wallace H. Coulter Foundation TITLE: <i>A Novel Hand-Held Based Optical Imager Towards Real-Time Co-Registered Imaging of Breast Cancer</i>	AWARD: \$ 120,000
PI: Michael Ross Southeast Environmental Research Center AWARDING SPONSOR: United State Army Corp of Engineers TITLE: <i>Landscape Pattern-Marl Prairie / Slough Gradients</i>	AWARD: \$ 114,957
PI: Maria-Jose Miguez Health Promotion and Disease Prevention AWARDING SPONSOR: National Institute of Health TITLE: <i>Subproject: Platelets Mediating Alcohol & HIV Damage</i>	AWARD: \$ 110,347
PI: Gilbert Ramirez School of Social Work AWARDING SPONSOR: Health Resources and Services Administration TITLE: <i>Subproject: Scholarship for Disadvantaged Students in Medicine, Nursing and Public Health</i>	AWARD: \$ 106,632
PI: James Fourqurean Southeast Environmental Research Center AWARDING SPONSOR: National Park Service TITLE: <i>Proposal for a Synthesis of Water Quality and Benthic Habitat Monitoring Data from the Marine and Estuarine Areas in the National Park Service's South Florida / Caribbean Inventory and Monitoring Network</i>	AWARD: \$ 99,000
PI: Charles Bigger Minority Biomedical Research Support Program AWARDING SPONSOR: National Institute of General Medical Sciences TITLE: <i>MBRS Research Initiative for Scientific Enhancement</i>	AWARD: \$ 96,138
PI: Yong Tao Mechanical and Materials Engineering AWARDING SPONSOR: Florida Power and Light TITLE: <i>Evaluation of Effect of Prismatic Skylight on the Power Consumption</i>	AWARD: \$ 95,403
PI: Laird Kramer Physics AWARDING SPONSOR: National Science Foundation TITLE: <i>Subproject: CHEPREO</i>	AWARD: \$ 94,549
PI: Joel Trexler Southeast Environmental Research Center AWARDING SPONSOR: National Park Service TITLE: <i>Subproject: Water Quality/Soils and Ecological Effects of Pilot Spreader Swales along the Tamiami Trail in Everglades National Park</i>	AWARD: \$ 93,418

<p>PI: Won Bong Choi Mechanical and Materials Engineering AWARDING SPONSOR: Air Force Office of Scientific Research TITLE: <i>Acquisition of Micro-Wave Plasma CVD Reactor for Synthesis of Multi-Functional Graphene Film</i></p>	<p>AWARD: \$ 89,500</p>
<p>PI: Alexander Mebel Chemistry AWARDING SPONSOR: The Research Corporation of the University of Hawaii TITLE: <i>CRC: Chemistry of Unsaturated Hydrocarbons in Titan's Atmosphere</i></p>	<p>AWARD: \$ 82,500</p>
<p>PI: Malek Adjouadi Electrical and Computer Engineering AWARDING SPONSOR: FIU Foundation TITLE: <i>The Ware Foundation Research Endowment</i></p>	<p>AWARD: \$ 80,000</p>
<p>PI: Albert Gan Civil and Environmental Engineering AWARDING SPONSOR: Florida Department of Transportation District Six TITLE: <i>ITS Technical and Research Support #12</i></p>	<p>AWARD: \$ 75,000</p>
<p>PI: Gilbert Ramirez School of Social Work AWARDING SPONSOR: Health Resources and Services Administration TITLE: <i>Subproject: Scholarship for Disadvantaged Students in Medicine, Nursing and Public Health</i></p>	<p>AWARD: \$ 72,430</p>
<p>PI: Anuradha Godavarty Bomedical Engineering AWARDING SPONSOR: National Institutes of Health TITLE: <i>Subproject: A Novel Hand-Held Based Optical Imager for Fluorescence Imaging of Breast Cancer</i></p>	<p>AWARD: \$ 70,000</p>
<p>PI: Yong Cai Chemistry AWARDING SPONSOR: National Institute of Environmental Health Sciences TITLE: <i>Subproject: Advanced Research Cooperation in Environmental Health</i></p>	<p>AWARD: \$ 68,254</p>
<p>PI: Kathleen Rein Chemistry AWARDING SPONSOR: National Institute of Environmental Health Sciences TITLE: <i>Subproject: Advanced Research Cooperation in Environmental Health (ARCH)</i></p>	<p>AWARD: \$ 68,250</p>
<p>PI: Emily Eisenhauer Center for Labor Research and Studies AWARDING SPONSOR: Miami-Dade County TITLE: <i>Supporting Quality and Opportunity</i></p>	<p>AWARD: \$ 65,000</p>

<p>PI: Bruce Douglas International Hurricane Research Center AWARDING SPONSOR: National Aeronautics & Space Administration TITLE: <i>Global Sea Level in a Changing Environmental – 20th Century Sea Level Rise</i></p>	AWARD: \$ 63,400
<p>PI: Fernando Noriega Biological Sciences AWARDING SPONSOR: National Institutes of Health TITLE: <i>Signaling Pathways that Regulate Juvenile Hormone Synthesis in Mosquitoes</i></p>	AWARD: \$ 59,402
<p>PI: Richard Burton Applied Research Center AWARDING SPONSOR: AECOM TITLE: <i>AECOM - EMR</i></p>	AWARD: \$ 58,971
<p>PI: Charles Bigger Biological Sciences AWARDING SPONSOR: National Institutes of General Medical Sciences TITLE: <i>Subproject: MBRS Research Initiative for Scientific Enhancement</i></p>	AWARD: \$ 58,683
<p>PI: Berrin Tansel Center for Diversity in Engineering & Computing AWARDING SPONSOR: National Science Foundation TITLE: <i>ADVANCE PAID</i></p>	AWARD: \$ 56,643
<p>PI: David Roelant Applied Research Center AWARDING SPONSOR: Department of Energy TITLE: <i>Subproject: ARC FY 06 Project 2.0</i></p>	AWARD: \$ 54,850
<p>PI: Helen Cornely Department of Physical Therapy AWARDING SPONSOR: Health Resources and Services Administration TITLE: <i>Subproject: Scholarship for Disadvantaged Students in Medicine, Nursing and Public Health</i></p>	AWARD: \$ 52,310
<p>PI: Laird Kramer Physics AWARDING SPONSOR: National Science Foundation TITLE: <i>Subproject: CHEPREO – Education and Outreach Component</i></p>	AWARD: \$ 50,000
<p>PI: Naphtali Rische School of Computing and Information Sciences AWARDING SPONSOR: National Science Foundation TITLE: <i>Investigation of Geospatial Data Management on MapReduce Platform</i></p>	AWARD: \$ 50,000

<p>PI: Tao Li School of Computing and Information Sciences AWARDING SPONSOR: National Science Foundation TITLE: <i>Collaborative: EAGER: Cross-Domain Knowledge Transformation</i></p>	<p>AWARD: \$ 46,000</p>
<p>PI: Rebecca Vega Biological Sciences AWARDING SPONSOR: National Science Foundation TITLE: <i>Graduate Research Fellowship Program</i></p>	<p>AWARD: \$ 40,500</p>
<p>PI: Edward Murray Metropolitan Center AWARDING SPONSOR: Broward Housing Partnership, Inc. TITLE: <i>Broward Housing Needs Assessment Update 2009</i></p>	<p>AWARD: \$ 35,000</p>
<p>PI: Amy Paul-Ward Occupational Therapy AWARDING SPONSOR: Health Resources and Services Administration TITLE: <i>Subproject: Scholarship for Disadvantaged Students in Medicine, Nursing and Public Health</i></p>	<p>AWARD: \$ 34,705</p>
<p>PI: Maureen Kenny Educational and Psychological Studies Department AWARDING SPONSOR: The Children's Trust TITLE: <i>KLAS Kids Learning About Safety</i></p>	<p>AWARD: \$ 29,942</p>
<p>PI: Richard Bone Physics AWARDING SPONSOR: Industrial Organica, S.A. de C.V. TITLE: <i>IOSA Bioavailability Study</i></p>	<p>AWARD: \$ 26,000</p>
<p>PI: Jeffrey Fan Electrical and Computer Engineering AWARDING SPONSOR: National Aeronautics & Space Administration TITLE: <i>NASA: H 264 Based Target Tracking and Visualization in Space Exploration</i></p>	<p>AWARD: \$ 25,000</p>
<p>PI: Alexander Mebel Chemistry AWARDING SPONSOR: The Research Corporation of the University of Hawaii TITLE: <i>Subproject: CRC: Chemistry of Unsaturated Hydrocarbons in Titan's Atmosphere</i></p>	<p>AWARD: \$ 25,000</p>
<p>PI: Sharon Pontious School of Nursing AWARDING SPONSOR: Health Resources and Services Administration TITLE: <i>Subproject: Scholarship for Disadvantaged Students in Medicine, Nursing and Public Health</i></p>	<p>AWARD: \$ 22,300</p>

PI: Noma Anderson

Communication Sciences and Disorders

AWARDING SPONSOR: Health Resources and Services Administration

TITLE: *Subproject: Scholarship for Disadvantaged Students in Medicine, Nursing and Public Health*

AWARD: \$ 20,119