

**FLORIDA INTERNATIONAL UNIVERSITY DIVISION OF RESEARCH
OFFICE OF SPONSORED RESEARCH
JANUARY 2007 AWARDS OVERVIEW**

Florida International University researchers were awarded **\$8,125,969** in January 2007. Listed below is a summary of awards received for *\$50,000 or more* during the month of January.

PI: Steven Leatherman
International Hurricane Research Center
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: *Florida Hurricane Alliance Round 3* **AWARD:** \$ 1,282,956

PI: Gustavo Roig
Engineering Dean's Office
AWARDING SPONSOR: Department of Education
TITLE: *GEAR UP South Dade Empowerment Zone* **AWARD:** \$ 1,177,598

PI: David Roelant
Applied Research Center (ARC)
AWARDING SPONSOR: Department of Energy
TITLE: *ARC FY 06 Project 4.0* **AWARD:** \$ 501,290

PI: Madhavan P.N. Nair
Medicine Dean's Office
AWARDING SPONSOR: National Institute of Drug & Alcohol Abuse
TITLE: *Cocaine in the Immuno and Neuropathogenesis of HIV-1 Infections* **AWARD:** \$ 449,687

PI: Keqi Zhang
International Hurricane Research Center
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: *Florida Hurricane Alliance Round 3 – Storm Surge* **AWARD:** \$ 421,250

PI: Daniel Childers
Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *FCE LTER II: Coastal oligotrophic ecosystems research* **AWARD:** \$ 377,559

PI: Madhavan P.N. Nair
Medicine Dean's Office
AWARDING SPONSOR: National Institute of Drug & Alcohol Abuse
TITLE: *Immunopathogenesis of HIV-1 infection: Role of Methamphetamine* **AWARD:** \$ 357,276

PI: Joel Trexler
Southeast Environmental Research Center
AWARDING SPONSOR: National Park Service
TITLE: *Monitoring Fish and Decapod Crustaceans in the Southern Everglades* **AWARD:** \$ 237,014

PI: Gail Gregg
Department of Curriculum and Instruction
AWARDING SPONSOR: Early Learning Coalition of Miami Dade and Monroe
TITLE: *Early Childhood Assessment Program* **AWARD:** \$ 198,738

PI: David Cohen
School of Social Work
AWARDING SPONSOR: Department of Justice
TITLE: *Critical Skills Curriculum on Psychotropic Medications* **AWARD:** \$ 194,707

PI: Jaie Laplante
External Relations
AWARDING SPONSOR: Miami Beach Visitor & Convention Authority
TITLE: *South Beach Wine & Food Festival* **AWARD:** \$ 174,937

PI: Mohammed Hadi
Civil and Environmental Engineering
AWARDING SPONSOR: Florida Department of Transportation/Research Center
TITLE: *Evaluation Tools to Support ITS Planning Process* **AWARD:** \$ 149,985

PI: Patricia Barbetta
Educational and Psychological Studies
AWARDING SPONSOR: Florida Department of Education
TITLE: *Regional Professional Development Partnership Project* **AWARD:** \$ 148,750

PI: Leonard Scinto
Southeast Environmental Research Center
AWARDING SPONSOR: South Florida Water Management District
TITLE: *Loxahatchee impoundment landscape assessment (LILA) Tree island experiments and site management* **AWARD:** \$ 140,000

PI: Mutaz Daas
Applied Research Center (ARC)
AWARDING SPONSOR: National Energy Technology Laboratory
TITLE: *Development of criteria and identification of particle cluster size based on measurements of void fraction in gas-solid systems* **AWARD:** \$ 134,928

PI: Rene Herrera
Biological Sciences
AWARDING SPONSOR: Air Force Office of Scientific Research
TITLE: *Transgenic silk moths to produce spider silk* **AWARD:** \$ 125,488

PI: Yimin Zhu
Construction Management
AWARDING SPONSOR: Florida Department of Transportation/Research Center
TITLE: *Developing a realistic-prototyping road user cost Evaluation tool for FDOT* **AWARD:** \$ 129,511

PI: Krish Jayachandran
Environmental Studies
AWARDING SPONSOR: Department of Agriculture
TITLE: *Multicultural Undergraduate Scholars in Agro-Ecology and Urban Landscape at Florida International University* **AWARD:** \$ 120,000

PI: Albert Gan
Civil and Environmental Engineering
AWARDING SPONSOR: Florida Department of Transportation/Research Center
TITLE: *Development of Prototype GIS Systems for Master Networks For FSUTMS* **AWARD:** \$ 110,000

PI: Fabian Cevallos
Civil and Environmental Engineering
AWARDING SPONSOR: Miami-Dade County/Transit Authority
TITLE: *APTS Technical Assistance* **AWARD:** \$ 105,000

PI: Shu-Ching Chen
School of Computing and Information Sciences
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: *Florida Hurricane Alliance R3 Visualization* **AWARD:** \$ 104,958

PI: Wenzhi Li
Physics
AWARDING SPONSOR: National Science Foundation
TITLE: *CAREER: Synthesis and Electronic/Electrical Properties of Carbon Nanotube Junctions* **AWARD:** \$ 100,128

PI: Albert Gan
Civil and Environmental Engineering
AWARDING SPONSOR: Florida Department of Transportation/Research Center
TITLE: *Development of a computer-based training for FSUTMS Comprehensive workshop* **AWARD:** \$ 100,000

PI: George Dulikravich
Mechanical and Materials Engineering
AWARDING SPONSOR: Air Force Office of Scientific Research
TITLE: *Hybrid Robust Multi-Objective Evolutionary Optimization Algorithm* **AWARD:** \$ 99,996

PI: Augusto Newell
 Metropolitan Research Center
AWARDING SPONSOR: Miami-Dade County/Procurement Management
TITLE: *County Department Quality Assurance Shops* **AWARD:** \$ 97,000

PI: Rene M Price
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *FCE LTER II: Coastal oligotrophic ecosystems research* **AWARD:** \$ 93,079

PI: Edward Glab
 Management and International Business
AWARDING SPONSOR: Winrock International
TITLE: *John Ogonowski Farmer to Farmer (FTF) Program* **AWARD:** \$ 87,655

PI: Ping Zhu
 Earth Sciences
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: *Florida Hurricane Alliance: Meteorology* **AWARD:** \$ 81,866

PI: Gustavo Roig
 Engineering Dean's Office
AWARDING SPONSOR: Florida Agricultural and Mechanical University
TITLE: *Florida Georgia Louis Stokes Alliance for Minority Participation (Legislature) - FGLSAMP* **AWARD:** \$ 79,950

PI: Arindam Gan Chowdhury
 Engineering Dean's Office
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: *Florida Hurricane Alliance Round 3 – Surface Wind* **AWARD:** \$ 76,969

PI: Michael Heithaus
 Biological Sciences
AWARDING SPONSOR: National Science Foundation
TITLE: *FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 76,417

PI: Michael Ross
 Southeast Environmental Research Center
AWARDING SPONSOR: South Florida Water Management District
TITLE: *Tree Island Condition in the Southern Everglades* **AWARD:** \$ 75,035

PI: Rajiv Srivastava
 Applied Research Center (ARC)
AWARDING SPONSOR: The Federal Aviation Administration
TITLE: *Identification and Validation of Analytical Chemistry Methods for Detecting Composite Surface Contamination and Water Moisture* **AWARD:** \$ 75,000

PI: Kenneth Furton
 Chemistry
AWARDING SPONSOR: Amy Research Office
TITLE: *Optimization of Sorbent Materials for the Collection and Analysis of Human Scents* **AWARD:** \$ 70,000

PI: Gustavo Roig
 Center for Diversity in Engineering & Computing
AWARDING SPONSOR: Miami-Dade County School Board
TITLE: *Florida Action for Minorities in Engineering (FLAME)* **AWARD:** \$ 66,086

PI: Evelyn Gaiser
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 65,200

PI: Joseph Boyer
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 64,958

PI: Rudolf Jaffe
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 62,485

PI: John Stack
 Jack D. Gordon Institute for Public Policy
AWARDING SPONSOR: Office of the Director of National Intelligence
TITLE: *IC Centers of Academic Excellence Conference* **AWARD:** \$ 60,000

PI: Anuradha Godavarty
 Biomedical Engineering
AWARDING SPONSOR: BankHead-Coley Florida Biomedical Research Program
TITLE: *Hand held optical probe for fluorescence imaging of breast cancer* **AWARD:** \$ 52,500