

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

Florida International University researchers were awarded **\$7,972,047** in November 2008. Listed below is a summary of awards received for *\$20,000 or more* during the month of November.

PI: Gail Gregg

Department of Curriculum and Instruction

AWARDING SPONSOR: Early Learning Coalition of Miami Dade and Monroe

TITLE: *QRIS Quality Rating Improvement System Program* **AWARD:** \$ 783,999

PI: Gustavo Roig

Center for Diversity in Engineering & Computing

AWARDING SPONSOR: The Children's Trust

TITLE: *ENCLACE/MIAMI – The Children's Trust* **AWARD:** \$ 552,444

PI: Rudolf Jaffe

Southeast Environmental Research Center

AWARDING SPONSOR: National Park Service

TITLE: *Everglades Fellowship Program at Florida International University* **AWARD:** \$ 500,000

PI: Robert M. Malow

Health Promotion and Disease Prevention

AWARDING SPONSOR: National Institute on Alcohol Abuse and Alcoholism

TITLE: *Intervening with Haitian HIV+ Alcohol Users: An Environmental Psychosocial Framework* **AWARD:** \$ 459,635

PI: Mary Ann Von Glinow

Management and International Business

AWARDING SPONSOR: Department of Education

TITLE: *Center for International Business Education and Research* **AWARD:** \$ 350,000

PI: Marianna K. Baum

Dietetics and Nutrition

AWARDING SPONSOR: National Institute on Alcohol Abuse and Alcoholism

TITLE: *Alcohol & Antiretrovirals in HIV Infection, Oxidative Stress and Liver Disease* **AWARD:** \$ 345,910

PI: Madhavan P.N. Nair

Medicine Dean's Office

AWARDING SPONSOR: National Institute on Drug Abuse

TITLE: *Role of Cocaine in Neuro-AIDS by HIV B and C Class* **AWARD:** \$ 344,707

PI: Evelyn Gaiser
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 328,392

PI: Patricia Barbetta
 Educational and Psychological Studies Department
AWARDING SPONSOR: Florida Department of Education
TITLE: *State Personnel Development Grant* **AWARD:** \$ 305,000

PI: Jiuhua Chen
 Mechanical and Materials Engineering
AWARDING SPONSOR: Department of Energy
TITLE: *Influence of Pressure on Physical Property of Ammonia Borane and its Re-hydrogenation* **AWARD:** \$ 250,000

PI: Stephen Leatherman
 International Hurricane Research Center
AWARDING SPONSOR: Florida Department of Community Affairs
TITLE: *Hurricane Loss Reduction (RCMP) 08-09* **AWARD:** \$ 243,748

PI: Osama Mohammed
 Electrical and Computer Engineering
AWARDING SPONSOR: Office of Naval Research
TITLE: *Pulse Load High Energy Transient Analysis* **AWARD:** \$ 230,000

PI: Beth Pascual
 Applied Research Center
AWARDING SPONSOR: Trax International
TITLE: *Energy & Environmental Security Research Project* **AWARD:** \$ 228,979

PI: Suzanna Rose
 Women's Studies Center
AWARDING SPONSOR: The Children's Trust
TITLE: *Parents as Teachers – PAT4YOU* **AWARD:** \$ 223,338

PI: Craig Layman
 Marine Biology
AWARDING SPONSOR: National Science Foundation
TITLE: *CAREER: Assessing Effects of Ecosystem Fragmentation Using Novel Metrics of Trophic Structure as Part of a Broad Educational Outreach Program* **AWARD:** \$ 186,165

PI: Girma Bisuamlak
 International Hurricane Research Center
AWARDING SPONSOR: Florida Department of Community Affairs
TITLE: *Subproject: Hurricane Loss Reduction (RCMP) 08-09* **AWARD:** \$ 175,797

PI: Arindam Gan Chowdhury
 International Hurricane Research Center
AWARDING SPONSOR: Florida Department of Community Affairs
TITLE: *Subproject: Hurricane Loss Reduction (RCMP) 08-09* **AWARD:** \$ 175,454

PI: Joan Wynne
 Center for Urban Education and Innovation
AWARDING SPONSOR: Algebra Project
TITLE: *The Development of Student Cohorts for the Enhancement of Mathematical Literacy in Underserved Populations* **AWARD:** \$ 153,930

PI: Richard Burton
 Applied Research Center
AWARDING SPONSOR: Bell Aerospace & Technologies Corp.
TITLE: *Ball – PMT Support Program* **AWARD:** \$ 146,493

PI: Arvind Agarwal
 Mechanical and Materials Engineering
AWARDING SPONSOR: Office of Naval Research
TITLE: *Development of Comprehensive Process Maps for Carbon Nanotube Reinforced Ceramic Nanocomposite Coatings with Improved Fracture, Fatigue and Wear Properties* **AWARD:** \$ 145,126

PI: Ibrahim N. Tansel
 Mechanical and Materials Engineering
AWARDING SPONSOR: General Dynamics
TITLE: *Degradation of Signal Quality of Structural Health Monitoring Systems with Time* **AWARD:** \$ 115,170

PI: Wenzhi Li
 Physics
AWARDING SPONSOR: National Science Foundation
TITLE: *CAREER: Synthesis and Electronic/Electrical Properties of Carbon Nanotube Junctions* **AWARD:** \$ 104,762

PI: Joseph Boyer
 Southeast Environmental Research Center
AWARDING SPONSOR: Florida Department of Environmental Protection
TITLE: *Water Quality Sampling Program for the Little Venice Sewage Collection and Treatment Project* **AWARD:** \$ 100,000

PI: Marianna K. Baum
 Dietetics and Nutrition
AWARDING SPONSOR: National Institute on Drug Abuse
TITLE: *Subproject: HIV Disease, Drug Abuse and Nutrient Therapy In Botswana* **AWARD:** \$ 99,356

PI: Amanda Niguidula
 Disability Research Center
AWARDING SPONSOR: Florida Alliance for Assistive Services and Technology
TITLE: *FAAST Grant Year 5* **AWARD:** \$ 98,000

PI: Alexander Mebel
 Chemistry
AWARDING SPONSOR: Department of Energy
TITLE: *Theoretical Studies of Chemical Reactions Related to the Formation and Growth of Polycyclic Aromatic Hydrocarbons and Molecular Properties of their Key Intermed* **AWARD:** \$ 95,000

PI: Rene M. Price
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *Subproject: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 75,729

PI: Osama Mohammed
 Electrical and Computer Engineering
AWARDING SPONSOR: Office of Naval Research
TITLE: *The Common Stator Concept for Electric Machine Designs for Naval Applications* **AWARD:** \$ 75,003

PI: Fernando Miralles-Wilhelm
 Civil and Environmental Engineering
AWARDING SPONSOR: University of Miami
TITLE: *Antigua and Barbuda Coastal and Marine Ecosystem Management Plan* **AWARD:** \$ 74,900

PI: Evelyn Gaiser
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *Subproject: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 70,451

PI: Joseph Boyer
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *Subproject: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 69,212

PI: Bradford Clement
 Earth Sciences
AWARDING SPONSOR: Consortium for Ocean Leadership
TITLE: *Support for the Chair's Office of the US Advisory Committee for Scientific Ocean Drilling* **AWARD:** \$ 67,013

PI: Luz Porter
School of Nursing
AWARDING SPONSOR: Health Resources and Services Administration
TITLE: *Advanced Education Nurse Traineeship at FIU* **AWARD:** \$ 64,998

PI: Rudolf Jaffe
Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *Subproject: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 64,117

PI: James Fourqurean
Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *Subproject: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 61,069

PI: Nakin Suksawang
Civil and Environmental Engineering
AWARDING SPONSOR: Florida Department of Community Affairs
TITLE: *Subproject: Hurricane Loss Reduction (RCMP) 08-09* **AWARD:** \$ 55,000

PI: William Anderson
Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *Subproject: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 54,228

PI: Allan Rosenbaum
Institute for Public Management and Community Service
AWARDING SPONSOR: Miami-Dade County Seaport
TITLE: *XV Inter-American Conference of Mayors and Local Authorities* **AWARD:** \$ 53,865

PI: Michael Heithaus
Biological Sciences
AWARDING SPONSOR: National Science Foundation
TITLE: *Subproject: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 52,871

PI: Ping Zhu
Earth Sciences
AWARDING SPONSOR: National Science Foundation
TITLE: *Collaborative Research: From Fine-Scale Mixing to the Mesoscale: Assessing the Climatic Impact of Trade-Wind Cumulus with RICO Data and Modeling* **AWARD:** \$ 51,030

PI: Nakin Suksawang
 Civil and Environmental Engineering
AWARDING SPONSOR: Florida Department of Community Affairs
TITLE: *Subproject: Hurricane Loss Reduction (RCMP) 08-09* **AWARD:** \$ 50,000

PI: Won Bong Choi
 Mechanical and Materials Engineering
AWARDING SPONSOR: Omega-P, Inc.
TITLE: *Development of High-current Field Emitter Arrays for Electron Lens Applications* **AWARD:** \$ 44,348

PI: Laura Ogden
 Sociology and Anthropology
AWARDING SPONSOR: National Science Foundation
TITLE: *Subproject: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 43,931

PI: Bill King
 Public Safety
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: *Guard Services for the National Hurricane Center 2004-2009* **AWARD:** \$ 25,944

PI: Richard Burton
 Applied Research Center
AWARDING SPONSOR: Battelle
TITLE: *Battelle – RITS Support* **AWARD:** \$ 24,645

PI: Claudia M. Caro-Sullivan
 The Wolfsonian
AWARDING SPONSOR: Department of Cultural Affairs
TITLE: *Artful Citizenship* **AWARD:** \$ 22,500

PI: Craig Layman
 Biological Sciences
AWARDING SPONSOR: Loxahatchee River District
TITLE: *Monitoring Loxahatchee River Projects* **AWARD:** \$ 22,349

PI: Berrin Tansel
 Civil and Environmental Engineering
AWARDING SPONSOR: Water & Sewer Department
TITLE: *Operational Performance Testing and Field Work at Miami-Dade Water and Sewer Department Wastewater Treatment Facilities* **AWARD:** \$ 20,000