

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

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Florida International University researchers were awarded **\$5,526,019** in May 2007. Listed below is a summary of awards received for *\$50,000 or more* during the month of May.

**PI:** Deodutta Roy  
Public Health  
**AWARDING SPONSOR:** Department of Defense  
**TITLE:** *Identification of the Mechanisms Underlying Antiestrogen Resistance: Breast Cancer Research Partnership between FIU And UM Braman Family Breast Cancer Institute* **AWARD:** \$ 1,309,999

**PI:** George Philippidis  
Applied Research Center  
**AWARDING SPONSOR:** Florida Department of Environmental Protection, Florida Game and Fishing  
**TITLE:** *Assessment and Development of Bagasse Pretreatment* **AWARD:** \$ 990,532

**PI:** W. Kinzy Jones  
Mechanical and Materials Engineering  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** *Bio/Nano Electronic Defense Devices and Sensors* **AWARD:** \$ 309,659

**PI:** Joel Trexler  
Southeast Environmental Research Center  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** *Analyzing the Impact of the Intermediate Operating Plan (IOP) in the Eastern Everglades, Everglades National Park* **AWARD:** \$ 215,000

**PI:** Fabian Cevallos  
Civil and Environmental Engineering  
**AWARDING SPONSOR:** Federal Transit Administration  
**TITLE:** *Year 2 Program for Center for Transportation Needs of Special Populations (TRANSP0)* **AWARD:** \$ 200,000

**PI:** Charles Bigger  
Biological Sciences  
**AWARDING SPONSOR:** National Institute of General Medical Sciences  
**TITLE:** *2007-2008 MBRS Research Initiative for Scientific Enhancement* **AWARD:** \$ 199,344

**PI:** Chunlei Wang  
Mechanical and Materials Engineering  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** *Bio/Nano Electronic Defense Devices and Sensors* **AWARD:** \$ 192,418

**PI:** Chenxhong Li  
 Biomedical Engineering  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** *Bio/Nano Electronic Defense Devices and Sensors*      **AWARD:** \$ 186,153

**PI:** Won Bong Choi  
 Mechanical and Materials Engineering  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** *Bio/Nano Electronic Defense Devices and Sensors*      **AWARD:** \$ 148,781

**PI:** Pablo Gomez  
 Mechanical and Materials Engineering  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** *Bio/Nano Electronic Defense Devices and Sensors*      **AWARD:** \$ 136,995

**PI:** Jinsong Zhang  
 Applied Research Center  
**AWARDING SPONSOR:** Department of Defense  
**TITLE:** *Requisition of Instrumentation to Build a Wireless Sensor Network  
 Testbed to Support Ground Target Tracking and Mine Detection  
 Related Research and Education*      **AWARD:** \$ 133,980

**PI:** Xiang Xing Kong  
 Mechanical and Materials Engineering  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** *Bio/Nano Electronic Defense Devices and Sensors*      **AWARD:** \$ 122,001

**PI:** Kuang-His Wu  
 Mechanical and Materials Engineering  
**AWARDING SPONSOR:** Office of Naval Research  
**TITLE:** *Three-Dimensional Fused CNT-Polymer NanoComposites*      **AWARD:** \$ 112,429

**PI:** Berrin Tansel  
 Civil and Environmental Engineering  
**AWARDING SPONSOR:** Department of Energy  
**TITLE:** *ARC FY 06 Project 1.0*      **AWARD:** \$ 101,160

**PI:** Yifu Zhu  
 Physics  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *Quantum Optics with Coherently Driven Cold Atoms*      **AWARD:** \$ 100,000

**PI:** Rudolf Jaffe  
 Southeast Environmental Research Center  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** *Assessment of Natural Water Resources and Watershed  
 Conditions for Biscayne National Park*      **AWARD:** \$ 84,428

**PI:** Berrin Tansel  
Civil and Environmental Engineering  
**AWARDING SPONSOR:** Harris Foundation  
**TITLE:** *Bernard Harris Summer Science Enrichment Program*      **AWARD:** \$ 77,874

**PI:** Anne Hartley  
Environmental Studies  
**AWARDING SPONSOR:** Northern Arizona University  
**TITLE:** *Progressive Nitrogen Limitation in Terrestrial Ecosystems: Empirical Test of a Biogeochemical Paradigm*      **AWARD:** \$ 75,639

**PI:** Margaret Maisel  
Clinical Programs  
**AWARDING SPONSOR:** Florida Bar Foundation  
**TITLE:** *Children's Education Advocacy Clinic*      **AWARD:** \$ 75,000

**PI:** Lorraine E. Bahrack  
Psychology  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** *Audiovisual Interactions in Categorization*      **AWARD:** \$ 67,970

**PI:** Richard C. Palmer  
Health Promotion and Disease Prevention  
**AWARDING SPONSOR:** National Cancer Institute  
**TITLE:** *Colorectal Cancer Screening Patient Navigation for African Americans*      **AWARD:** \$ 65,978

**PI:** Eric Crumpler  
Biomedical Engineering  
**AWARDING SPONSOR:** Nanomaterials Company  
**TITLE:** *Decontaminating Agents for Chemical Warfare*      **AWARD:** \$ 62,709

**PI:** Anuradha Godavarty  
Biomedical Engineering  
**AWARDING SPONSOR:** Imaging Diagnostic Systems, Inc.  
**TITLE:** *Novel Breast Tissue Phantoms with Known Optical Properties*      **AWARD:** \$ 51,064

**PI:** Chengxian Lin  
Applied Research Center  
**AWARDING SPONSOR:** Howard University  
**TITLE:** *Experimental Investigation of Non-Newtonian Fluid Mixing In a Waste Tank; Numerical Modeling of Solids Precipitation During Pipeline Transportation Slurries*      **AWARD:** \$ 50,000