

**FLORIDA INTERNATIONAL UNIVERSITY DIVISION OF RESEARCH  
OFFICE OF SPONSORED RESEARCH  
APRIL 2006 AWARDS**

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Florida International University researchers were awarded **\$1,273,989** in April 2006. Listed below is a summary of all new awards during the month of April.

**PI:** Brian D. Bovard  
Environmental Studies  
**AWARDING SPONSOR:** South Florida Water Management District (SFWMD)  
**TITLE:** *Consulting Services for Analysis of Evapotranspiration Data for Use in Hydrologic Modeling of the Big Cypress BasinL.* **TOTAL:** \$27,124

**PI:** Richard Burton  
Applied Research Center (ARC), Academic Affairs  
**AWARDING SPONSOR:** Montgomery Watson  
**TITLE:** *Montgomery Watson/EMAX Mentor Protege Program Task One. Animal Tissue Samples.* **TOTAL:** \$19,249

**PI:** Richard Burton  
Applied Research Center (ARC)  
**AWARDING SPONSOR:** Montgomery Watson  
**TITLE:** *Subproject to Main Project ID#120701596 (Burton):Montgomery Watson/EMAX Mentor Protege Program - Task 3.* **TOTAL:** \$18,485

**PI:** Richard Burton  
Applied Research Center (ARC) Academic Affairs  
**AWARDING SPONSOR:** Montgomery Watson  
**TITLE:** *Subproject to Main Project ID#120701596: Montgomery Watson/EMAX Mentor Protege Program) Task 4.* **TOTAL:** \$21,520

**PI:** Richard Burton  
Applied Research Center (ARC)  
**AWARDING SPONSOR:** Earth Tech  
**TITLE:** *Human Resources Management Program.* **TOTAL:** \$17,551

**PI:** Orlando J. Garcia  
School of Music  
**AWARDING SPONSOR:** Miami Dade Cultural Affairs  
**TITLE:** *The 2006 New Music Miami ISCM Festival.* **TOTAL:** \$3,587

**PI:** Anuradha Godavarty  
Biomedical  
**AWARDING SPONSOR:** Florida International University Foundation  
**TITLE:** *Bedside Optical Imaging of Epilepsy Patients.* **TOTAL:** \$20,000

**PI:** Daniel Hughel  
Applied Research Center (ARC)  
**AWARDING SPONSOR:** Visionary Solutions, Incorporated  
**TITLE:** *Environmental Compliance Support.* **TOTAL:** \$12,285

**PI:** Rudolf Jaffe  
Southeast Environmental Research Center  
**AWARDING SPONSOR:** Fundacion Cisneros - Finser Corporation  
**TITLE:** *Biochemical and Hydrological Assessment of the Greater Cuyuni River Basin, Eastern Venezuela.* **TOTAL:** \$50,000

**PI:** Rudolf Jaffe  
Southeast Environmental Research Center  
**AWARDING SPONSOR:** National Park Service/Department of the Interior  
**TITLE:** *Office of the Executive Director for the S. Florida Ecosystem Restoration Task Force.* **TOTAL:** \$20,000

**PI:** Lillian Kopenhaver  
Journalism, Dean's Office  
**AWARDING SPONSOR:** The Miami Herald  
**TITLE:** *Miami Herald Internships/Scholarships.* **TOTAL:** \$32,970

**PI:** Dwayne McDaniel  
Applied Research Center (ARC)  
**AWARDING SPONSOR:** Universal Data Consultants  
**TITLE:** *CellTrack Analysis and Documentation.* **TOTAL:** \$7,000

**PI:** Osama Mohammed  
Electrical and Computer Engineering  
**AWARDING SPONSOR:** Office of Naval Research  
**TITLE:** *Development of Simultaneous Simulation Tools of Dynamic Operation and Physical Finite Element Models for Naval Machine System Integration.* **TOTAL:** \$25,000

**PI:** Norman Munroe  
Applied Research Center (ARC)  
**AWARDING SPONSOR:** Department of Energy  
**TITLE:** *Solvent Based Enhanced Oil Recovery for In-Situ Upgrading of Heavy Oil Sands.* **TOTAL:** \$151,750

**PI:** Fernando Noriega  
Biological Sciences  
**AWARDING SPONSOR:** National Institute of Allergy and Infectious Diseases/NIH/DHHS  
**TITLE:** *Regulation of Juvenile Hormone titer in Mosquitoes.* **TOTAL:** \$347,580

**PI:** Gustavo Roig  
Dean's Office, College of Engineering and Computing  
**AWARDING SPONSOR:** Miami Dade County, Public School System  
**TITLE:** *Fla. Action for Minority in Engineering (Coral Park Sr. High 2004).* **TOTAL:** \$10,000

**PI:** Max B. Rothman  
Center on Aging  
**AWARDING SPONSOR:** Broward County Board of Commissioners  
**TITLE:** *Broward County Elder Services Analysis II.* **TOTAL:** \$94,000

**PI:** Deodutta Roy  
Public Health  
**AWARDING SPONSOR:** Department of Defense, Army Research Office  
**TITLE:** *Inhibition of estrogen-induced growth of breast cancer by targeting mitochondria.* **TOTAL:** \$136,196

**PI:** Jesus Sanchez  
Public Health  
**AWARDING SPONSOR:** Center for Disease Control  
**TITLE:** *Prevalence of HIV, Hepatitis B and C and Associated Risk factors among Hispanic IDU's.* **TOTAL:** \$107,314

**PI:** Misak Sargsian  
Physics  
**AWARDING SPONSOR:** Department of Energy  
**TITLE:** *Theoretical Studies of High Energy Electro-Nuclear Reactions.* **TOTAL:** \$50,000

**PI:** Bennett Schwartz  
Psychology  
**AWARDING SPONSOR:** American Psychological Association  
**TITLE:** *APA Minorities in Psychology.* **TOTAL:** \$24,300

**PI:** Georgio Tachiev  
Applied Research Center  
**AWARDING SPONSOR:** Montgomery Watson  
**TITLE:** *Subproject for Institution # 6548 Montgomery Watson/EMAX Mentor Protege Program Task One. Animal Tissue Samples.* **TOTAL:** \$78,078

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