Florida International University researchers were awarded $2,341,409 in January 2011. Listed below is a summary of awards received for $20,000 or more during the month of January.

PI: Shu-Ching Chen  
**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**  
**AWARDING SPONSOR:** Department of Homeland Security  
**TITLE:** A Research and Educational Framework to Advance Disaster Information Management in Computer Science PhD Programs  
**AWARD:** $400,000

PI: Richard Palmer  
**HEALTH PROMOTION AND DISEASE PREVENTION**  
**AWARDING SPONSOR:** Health Foundation of South Florida  
**TITLE:** Healthy Aging Regional Collaborative  
**AWARD:** $206,064

PI: Krish Jayachandran  
**DEPARTMENT OF EARTH & ENVIRONMENT**  
**AWARDING SPONSOR:** National Institute of Food and Agriculture  
**TITLE:** Multicultural Scholars Program for Agroecology and Sustainable Sciences at Florida International University  
**AWARD:** $180,000

PI: Caesar Abishdid  
**CIVIL AND ENVIRONMENTAL ENGINEERING**  
**AWARDING SPONSOR:** Florida Power and Light  
**TITLE:** Smart Grid Workforce Training – Topic B  
**AWARD:** $150,000

PI: William Pelham  
**PSYCHOLOGY**  
**AWARDING SPONSOR:** National Institute on Drug Abuse  
**TITLE:** The Development of Drug Use and Abuse in ADHD Adolescents And Young Adults  
**AWARD:** $137,337

PI: Behrooz Mirafzal  
**ELECTRICAL AND COMPUTER ENGINEERING**  
**AWARDING SPONSOR:** Florida State University  
**TITLE:** Nonlinear Loads and Regenerative Energy Management in Microgrid  
**AWARD:** $101,442

PI: Quentin Felty  
**ENVIRONMENTAL AND OCCUPATIONAL HEALTH**  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Estrogen Induced Pyk2 Signaling in the Abnormal Growth of Vascular Cells  
**AWARD:** $97,875
PI: Daniel Waschbusch

**PSYCHOLOGY**

**AWARDING SPONSOR:** National Institute of Mental Health

**TITLE:** Designing a Novel Behavioral Treatment Protocol for Children Characterized by Conduct Problems with Callous-Unemotional Traits  
**AWARD:** $94,083

PI: Rebecca Vega

**BIOLOGICAL SCIENCES**

**AWARDING SPONSOR:** Florida Institute of Oceanography

**TITLE:** Baseline and Oil Spill Impacted Marine Sponge Microbial Communities And Gene Expression Analysis with Metagenomics  
**AWARD:** $89,610

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 Intermediates  
**AWARD:** $89,063

PI: Raju Rangaswami

**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**

**AWARDING SPONSOR:** National Science Foundation

**TITLE:** CAREER: Active Block Layer Extension: A Foundation for Building Self-Managing Storage Systems  
**AWARD:** $80,000

PI: Cristina Eguizabal

**LATIN AMERICAN AND CARIBBEAN CENTER**

**AWARDING SPONSOR:** Open Society Institute

**TITLE:** Strengthening the Role of the Cuban Diaspora  
**AWARD:** $80,000

PI: Sharan Ramaswamy

**BIOMEDICAL ENGINEERING**

**AWARDING SPONSOR:** American Heart Association

**TITLE:** Noninvasive Detection and Tracking of Cell Populations in the Development and Remodeling of Engineering Heart Valve  
**AWARD:** $77,000

PI: Naphtali Rishe

**SCHOOL OF COMPUTING AND INFORMATION SCIENCES**

**AWARDING SPONSOR:** Vcom3D, Inc.

**TITLE:** Lifelike Expressive Avatars for the Instruction of Young Learners who are Deaf  
**AWARD:** $70,000

PI: Richard Bone

**PHYSICS**

**AWARDING SPONSOR:** National Institute of General Medical Sciences

**TITLE:** The Distribution of Light of the Human Retina  
**AWARD:** $65,250
PI: Bill King
PUBLIC SAFETY
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: Guard Services for the National Hurricane Center AWARD: $ 61,600

PI: Barry Levitt
POLITICS AND INTERNATIONAL RELATIONS
AWARDING SPONSOR: National Endowment for the Humanities
TITLE: Politics and International Relations AWARD: $ 50,400

PI: Kenneth Feeley
BIOLOGICAL SCIENCES
AWARDING SPONSOR: Fairchild Tropical Botanic Garden
TITLE: Rainforest Conservation and Ecology AWARD: $ 39,500

PI: Marianne Lamonaca
THE WOLFSONIAN
AWARDING SPONSOR: National Endowment for the Arts
TITLE: The Design Question: Planning the Reinterpretation & Reinstallation of the Wolfsonian – FIU Design Collection AWARD: $ 38,001

PI: Bruce McCord
CHEMISTRY
AWARDING SPONSOR: FIU Foundation
TITLE: The Development of Applications in DNA Typing using the Agilent Bioanalyzer AWARD: $ 33,236

PI: Karen Fuller
SCHOOL OF MUSIC
AWARDING SPONSOR: Department of Cultural Affairs
TITLE: FIU School of Music Concert Series AWARD: $ 30,000

PI: Carol Stepick
CENTER FOR LABOR RESEARCH AND STUDIES
AWARDING SPONSOR: National Science Foundation
TITLE: Subproject: Social and Ecological Vulnerabilities in the City of Miami AWARD: $ 29,000

PI: Michael Heithaus
BIOLOGICAL SCIENCES
AWARDING SPONSOR: Guy Harvey Ocean Foundation
TITLE: Assessing Impacts of Oil Exposure to Deep Sea Ecosystems of the Gulf of Mexico using Sharks AWARD: $ 26,900

PI: Masoud Milani
CENTER FOR DIVERSITY IN ENGINEERING AND COMPUTING
AWARDING SPONSOR: FIU Foundation
TITLE: Caterpillar 2010 Summer Academy AWARD: $ 20,000
PI: Kate Rawlinson
THE WOLFSonian
AWARDING SPONSOR: FIU Foundation
TITLE: Digital Wolf Design Lab

AWARD: $  20,000