



## Sponsored Awards in May 2024

### **Abdel-Aty, Mohamed; Islam, Zubayer**

Optimization of Signal timing based on Pedestrian Intervals Using Computer Vision and Deep Learning Technology – Phase II

Florida Department of Transportation

\$311,397

College of Engineering and Computer Science

### **Ahmed, Kareem**

Hypersonic Dual-Mode Liquid Rotating Detonation Propulsion Engine

Texas A&M Engineering Experiment Station

\$375,000

College of Engineering and Computer Science

### **Almagro-Moreno, Salvador**

Vibrio2024: The International Meeting on the Biology of Vibrios

Burroughs Wellcome Fund

\$10,000

College of Medicine

### **Alvarez, Sergio; Metzger, Philip**

Communication & Space Debris: Connecting with Public Knowledges and Identities

Research Foundation of the State University of New York, The

\$20,657

Office of Research

### **Banerjee, Parag; Gaume, Romain**

Advanced Broadband Infrared Materials - UWIN 2024

Lockheed Martin Missiles and Fire Control

\$30,000

College of Engineering and Computer Science

**Carter, Shannon**

Advancing Beyond Deficit Frameworks: How Joy is Cultivated Among Black Transgender and Nonbinary Young Adults in Florida (PI: Courtney Gardner)

American Sociological Association

\$16,000

College of Sciences

**Chaudhry, Shafaq; Hall, Matthew; Khan, Fahad; Yuksel, Murat**

CC\* Networking Infrastructure: FAN4Science: Flow-Aware Networking for Data-Intensive Science

National Science Foundation

\$649,999

Office of Research

**Doheny, Margaret; Lighthall, Nichole**

The Effects of Digitally-mediated Communication on Social Decisions Across Adulthood

Learning Institute for Elders (LIFE), The

\$2,100

College of Sciences

**Dufner, Trevor**

The Effects of Resveratrol Supplementation on Cardiovascular Function and Functional and Systemic Markers of Muscle Damage in Response to a Damaging Isoinertial Squat Protocol

GE Nutrients, Inc dba Gencor

\$2,000

College of Health Professions and Sciences

**Fang, Li**

CAREER: Photo-induced Ultrafast Electron-nuclear Dynamics in Molecules

National Science Foundation

\$187,696

College of Sciences

**Fernandez-Valle, Cristina**

Redox Signaling in Neurofibromatosis

Florida International University Board of Trustees, The

\$10,380

College of Medicine

**Hamilton, Angela**

Mass Personalization - Phase 2

DM2 Research and Design, Inc.

\$150,000

School of Modeling, Simulation, and Training

**Harris, David**

Campus Scholars Program

Foundation for Individual Rights and Expression

\$2,500

College of Medicine

**Hudson, Darren; Amezcua Correa, Rodrigo**

Study of Hollow Core Fiber Laser Amplification and Delivery

Defense Engineering Corporation

\$40,000

College of Optics and Photonics

**Kirkegard, Belinda**

General Operational Support for NEC from BankUnited

BankUnited, N.A.

\$12,000

President

**Kuang, Lanlan**

2024 Eurasia Foundation Grant Asian Humanities: East Asian Folk and Popular Cultures

Eurasia Foundation

\$30,000

College of Arts and Humanities

**Kwon, Seongchun**

Central Florida Math Circle Enhancement

Mathematical Association of America

\$5,000

College of Sciences

**Lim, Ser Nam**

PRIDE

DSO NATIONAL LABORATORIES

\$1,155,278

College of Engineering and Computer Science

**Malatyali, Ayse; Thiamwong, Ladda; Xie, Rui**

Health Disparities in Presymptomatic Alzheimer's Disease: Impact of Falls and Social-Behavioral Correlates

Drs. Diane and Thomas Andrews Faculty Research Award

\$5,000

College of Nursing

**Mansfield, Kate**

Kemp's Ridley and Green Sea Turtle Tagging for Availability Bias Analysis

HDR Environmental, Operations and Construction, Inc

\$60,352

College of Sciences

**Mansfield, Kate; Seney, Erin**

Bringing the UCF Marine Turtle Research Group Database into the 21st Century

Sea Turtle Conservancy

\$17,354

College of Sciences

**Mohapatra, Ram**

Investigations in Applicable Mathematics

Confidential Funder

\$42,500

College of Sciences

**Morais Terra dos Santos, Pedrina**

Johns Hopkins University Applied Physics Laboratory Data Campaign

Johns Hopkins University Applied Physics Laboratory

\$6,391

Office of Research

**Moran, Kevin**

Collaborative Research: SHF: Medium: Bug Report Management 2.0  
William and Mary College  
\$70,425  
College of Engineering and Computer Science

**Raustad, Richard**

Trane Trace 3D Plus Software Development Support TO8  
S.E.I Associates  
\$170,397  
Office of Research

**Rawat, Yogesh Singh**

Microsoft Research Award  
Independent Donor Formerly Independent Contractor  
\$5,000  
Office of Research

**Razavi, Mehdi; Coathup, Melanie; Seal, Sudipta**

Scalable Manufacturing of Nanobubbles via Ultrasonic Shearing for Biomedicine  
National Science Foundation  
\$516,762  
College of Medicine

**Scheidell, Joy**

Drug Treatment as Disease Prevention: Reducing Sexually Transmitted Infection Risk among Women Who Use Drugs  
National Institute on Drug Abuse  
\$76,000  
College of Health Professions and Sciences

**Seigneur, Hubert**

Team-up on Tackling Crises of Energy and Climate  
Albany State University  
\$30,000  
Office of Research

**Shah, Mubarak; Atia, George; Boloni, Ladislau; Cai, Hanqin; Chen, Chen; Da Vitoria Lobo, Niels; Huang, Hsin-Hsiung; Moore, Brian; Pourmohammadi Fallah, Yaser; Rahnavard, Nazanin; Rawat, Yogesh Singh; Sukthankar, Gita; Xie, Rui**

Scholarships, Academic, and Social Supports to Provide Low-Income Transfers Students Opportunities for Nurtured Growth in AI

National Science Foundation

\$753,043

College of Engineering and Computer Science Computer Science

**Shah, Mubarak; Chen, Chen; Da Vitoria Lobo, Niels; Lim, Ser Nam; Rawat, Yogesh Singh**

REU Site: Research Experience for Undergraduates in Computer Vision

National Science Foundation

\$463,275

Office of Research

**Tovbis, Alexander**

Soliton Gases for the Focusing Nonlinear Schroedinger Equation and Other Integrable Systems: Theory and Applications

National Science Foundation

\$172,211

College of Sciences

**Vasu Sumathi, Subith**

Laminar Flame Speed Testing for DME mixtures

Dimeta

\$68,393

College of Engineering and Computer Science

**Vela, Adan**

Characterization of Violent Speech in Online Discourse

Oak Ridge Associated Universities

\$100,000

College of Engineering and Computer Science

**Wu, Shintson**

Broadband Two-dimensional Laser Beam Deflectors

Immobileyes, Inc

\$600,000

College of Optics and Photonics