



Monthly New Awards – April 2023

Abdel-Aty, Mohamed | Barbour, Natalia | Islam, Zubayer

After Study Evaluation of Interstate 4 Florida's Regional Advanced Mobility Elements Project
During/After Analysis

Florida Department of Transportation

\$395,215

College of Engineering and Computer Science

Ahmed, Kareem

High-Performance Adaptable Morphing Hypersonic Air-Breathing Propulsion

Naval Research Laboratory

\$75,000

College of Engineering and Computer Science

Anagnostopoulos, Vasileios

Fellowships in Support of the Radiochemistry Program at the University of Central Florida

U.S. Nuclear Regulatory Commission

\$397,943

College of Sciences

Beazley, Melanie

Wekiva Springshed Monitoring Project

Drummond Carpenter, PLLC

\$3,640

College of Sciences

Beltran, Susanny

Adapting the Advance Dementia Prognostic Tool for high-Medicaid Nursing Homes

Florida Department of Health

\$99,883

College of Health Professions and Sciences

Braiman, Yehuda | Li kam wa, Patrick | Li, Guifang

High Power Coherent BreadBoard Blue Diode Laser System for Underwater Applications

Office of Naval Research

\$806,057

College of Optics and Photonics

Brisset, Julie

FSI Support Project

Various

\$5,000
Florida Space Institute

Burns, Terri
Transitional Living Cohorts
NEXT for AUTISM, Inc.
\$25,000
College of Health Professions and Sciences

Cheng, Zixi
Mechanisms of Cardiac Sympathetic Hyperactivity in Chronic Heart Failure
University of Nebraska Medical Center
\$45,263
College of Medicine

Cook, Jennifer
Corporation for Public Broadcasting Community Service Grant TV 2022 – 2024
Corporation for Public Broadcasting
\$933,556
WUCF TV

Cook, Jennifer
Corporation for Public Broadcasting Community Service Grant FM 2022 – 2024
Corporation for Public Broadcasting
\$97,712
WUCF FM

Cook, Justin | Bernath, Robert | Richardson, Martin
High Power Fiber Laser Diagnostics System
U.S. Air Force Office of Scientific Research
\$223,528
College of Optics and Photonics

Davis, Jean
Physical Activity Promotion for Black Pregnant Women Through Nurse-Led Groups
Independent Donor Formerly Independent Contractor
\$15,000
College of Nursing

Donnelly, Melinda
Task Order 4 Brevard County SOIRL Shoreline Monitoring
Brevard County Board of County Commissioners
\$108,726
College of Sciences

Dove, Adrienne

Machine Learning Explainability and Uncertainty Quantification to Support Calibration of Trust
in Automated Systems
Universities Space Research Association
\$222,770
Florida Space Institute

Fathpour, Sasan
Nonlinear Wavelength Converter LNOI PIC Rework
L3Harris Technologies, Inc.
\$8,000
College of Optics and Photonics

Fleeman, Renee
Refining Our Understanding of Antimicrobial Peptide Mediated Disruption of The Klebsiella
Pneumoniae Capsule
National Institute of Allergy and Infectious Diseases
\$249,000
College of Medicine

Gaither, Michelle
Optimizing Protocols for the Detection of Karenia Brevis in Marine Sediments
Florida Fish and Wildlife Conservation Commission
\$53,640
College of Sciences

Georgiopoulos, Michael
2023 North America Programming Championship
National Security Agency
\$150,000
College of Engineering and Computer Science

Gordon, Ali
Advanced Technologies for Hypersonic, Propulsive, Energetic and Reusable Platforms
National Science Foundation
\$405,000
College of Engineering and Computer Science

Hadley, Dexter
IPA Agreement with Gainesville VA for Dr. Dexter Hadley
Malcom Randall VA Medical Center
\$55,388
College of Medicine

Hagan, David
High Power Ultra-Violet Laser Beacon
Physical Sciences Inc.

\$39,000

College of Optics and Photonics

Joe, Richelle

Center for Interdisciplinary Research on AIDS: Longitudinal Text Messaging Educational Campaign to Increase PrEP Prescription Among Medical Providers in Orange County, Florida

Rollins College

\$23,948

College of Community Innovation and Education

Khaled, Annette | Salvail, Hubert

Targeting Chaperonin-Containing TCP-1 for the Treatment of Neuroblastoma

Florida Department of Health

\$248,050

College of Medicine

Kinzel, Michael

CFD Design, Analysis, and Support for Dragonfly

Johns Hopkins University Applied Physics Laboratory

\$185,664

College of Engineering and Computer Science

Lin, Jinchao

Data-Driven Usability Improvement

Spartan Pumps, Inc.

\$80,264

School of Modeling, Simulation, and Training

Logue, CarolAnn Dykes

FY23 Corridor Support to the Innovation District

Florida High Tech Corridor Council

\$50,000

Business Incubation Program

Mansy, Hansen

Development of an Electronic Acoustic Exciter and Stethoscope for The Evaluation of Infant

Hip Dysplasia

Orlando Health

\$80,000

College of Engineering and Computer Science

Mukherjee, Jaydeep

Nationwide Eclipse Ballooning Project 2022-2025

National Space Grant Foundation

\$25,000

Florida Space Institute

Phanstiel, Otto | Altomare, Deborah | Zhao, Jihe | Zhu, Xiang

Potentiating Immunotherapies via Polyamine Blocking Therapy

Florida Department of Health

\$588,600

College of Medicine

Rajaraman, Swaminathan

Microphysiological Model of Human Cardiac Sympathetic Innervation

The Johns Hopkins University

\$60,749

NanoScience Technology Center

Vasu Sumathi, Subith

Integrated Chemical and Supercritical Carbon Dioxide Energy Storage

Solve Technology and Research, Inc.

\$115,000

College of Engineering and Computer Science

Vasu Sumathi, Subith

SOW for sCO₂ Combustor Development

Nuovo Pignone Technologie SRL

\$98,470

College of Engineering and Computer Science

Vodopyanov, Konstantin

Active Imaging Through Fog

OneLight Sensing, LLC

\$268,711

College of Optics and Photonics

Watson, Keri

A Panel Discussion and Exhibition of Prison-Based Art

Independent Donor Formerly Independent Contractor

\$5,039

College of Arts and Humanities

Williams, Natasha

Arts in Medicine Fourth-Year Elective

Pabst Steinmetz Foundation

\$27,000

College of Medicine

Xu, Mengyu

Uncertainty Quantification in Digital Twins: A Bayesian Model

Northrop Grumman Corporation

\$76,941

College of Sciences

Zavodny, Emily

Excavations at the Earliest Bronze Age Hillfort in Lika, Croatia

Rust Family Foundation

\$6,200

College of Sciences