



Monthly New Awards – May 2022

Ahmed, Sahiba

Exploiting Multiplex CRISPRi to Identify and Prioritize Synergistic Drug Targets in Mycobacterium Abscessus
Cystic Fibrosis Foundation
\$4,000
College of Medicine

Bohlen, Patrick

Assessing Native Plant Material for Use in Ecologically Sound, Resource Efficient Residential Developments
Sunbridge Stewardship District
\$53,497
College of Sciences

Coffey, Kevin | Kaden, William

Ballistic Conduction in Nanometric Metals for Metrology
The Trustees of Columbia University
\$110,150
Advanced Materials Processing and Analysis Center

Cook, Jennifer

WUCF Camp TV Season 3 – WNET
THIRTEEN Productions, LLC
\$3,000
Communications and Marketing

Dimitrovski, Aleksandar | Seigneur, Hubert | Dimitrovski, Aleksandar

Designing, Building, Testing a Remotely Operated High Voltage Measurement System for IPG's High Altitude Cost-Per-Watt Study
Ion Power Group, LLC
\$41,505
Florida Solar Energy Center

Donley, Amy

Winter Springs Garbage Collection Services 2022
City of Winter Springs
\$3,648
College of Sciences

Fathpour, Sasan

CY22 Heterogeneous Packaging of Thin-Film Lithium Niobate Modulators on Silicon
L3Harris Technologies, Inc.
\$70,000
College of Optics and Photonics

Fenton, James | Raustad, Richard

Demonstration of Integrated Hydrogen Production and Consumption for Improved Utility Operations
Plug Power, Inc.
\$163,606
Florida Solar Energy Center

Forsman, Anna

Taking Flight: Launching the UCF Purple Martin Project into a Sustainable, Long-term Monitoring Project of Purple Martins in Central Florida
Purple Martin Conservation Association
\$1,906
College of Sciences

Gaume, Romain

Transparent Ceramics for High Energy Laser Amplifiers
Lawrence Livermore National Laboratory
\$40,000
Advanced Materials Processing and Analysis Center

Georgiopoulos, Michael

2022 North America Programming Championship
National Security Agency
\$200,000
College of Engineering and Computer Science

Gibson, Jane

Clinical Evaluation of the Xpert® Respiratory Panel
Cepheid
\$78,440
College of Medicine

Guo, Xiufang

Modulatory Role of Blood-Brain-Barrier and Enzymatic Activity in an Innovative Human Model of Cholinergic Drug Induced Dementia
Hesperos, Inc.
\$130,000
NanoScience Technology Center

Hansen, Lynn | Georgiopoulos, Michael

Lockheed Martin RMS College Work Experience Program
Lockheed Martin Rotary Mission Systems
\$2,812,000
Student Developing and Enrollment Services

Hickman, James

Investigating the Role of Alzheimer's Disease Familial Mutations in Neuromuscular Physiology
National Institutes of Health
\$764,558
NanoScience Technology Center

Kapat, Jayanta

Multi-Physics Multi-Material Topology Optimization for Dual Flow Heat Exchangers
Siemens Corporate Technology
\$108,306
College of Engineering and Computer Science

Kapat, Jayanta | Blair, Richard | Hick, Sandra | Vasu Sumathi, Subith

Zero-Carbon Engine Core with Supercritical Carbon Dioxide Power Cycle for Onboard Power
NASA Shared Services Center
\$1,998,506
College of Engineering and Computer Science

Klemm, Richard | Ishigami, Masahiro

Twisted Graphene-Based Josephson Junction Detectors
Truventic LLC
\$84,018
College of Sciences

Kwok, Kawai

NASA's 2022 Revolutionary Aerospace Systems Concepts - Academic Linkage Competition
NASA Shared Services Center
\$6,000
College of Engineering and Computer Science

Lewis, Kristy

From Planning to Adaptive Management: Restoration Decision Making in Response to
Mississippi River Freshwater Allocation
Tulane University
\$5,075
College of Sciences

Mackie, Kevin

AISC Steel Bridge Competition- Mackie
American Institute of Steel Construction
\$500
College of Engineering and Computer Science

Malay, Allison | Malay, Allison

Environment and Pollinator Community Impact on Honeybee Immune Gene Expression
Eastern Apicultural Society
\$1,395
College of Sciences

Rajaraman, Swaminathan

Hilton Head Solid State Sensors, Actuators and Microsystems Workshop
National Science Foundation
\$20,000
NanoScience Technology Center

Rozek, David

UCF RESTORES Training for Central Florida Cares
Central Florida Cares
\$291,184
College of Sciences

Seney, Erin | Forsman, Anna | Savage, Anna

Immunogenetics and Pathogen Drivers of Fibropapillomatosis in Stranded Sea Turtles
Sea Turtle Conservancy
\$15,059
College of Sciences

Seney, Erin | Mansfield, Kate

Late-Season Sea Turtle Nesting in Central and South Brevard County, Florida, Year 2
Sea Turtle Conservancy
\$9,225
College of Sciences

Smith, Daniel

Suncoast Parkway Phase II Post-Construction Wildlife Surveys
DRMP
\$75,500
College of Sciences

Sohn, Yongho

Gas Atomization and Laser Powder Bed Fusion of Metallic Alloys for ICME Integrated Materials
Development and Properties/Performance Assessment for Hypersonic Vehicles Applications
LIFT
\$203,824
Advanced Materials Processing and Analysis Center

Sohn, Yongho

Gas Atomization and Laser Powder Bed Fusion of Metallic Alloys for ICME Integrated Materials
Development and Properties/Performance Assessment for Hypersonic Vehicles Applications
LIFT
\$195,424
Advanced Materials Processing and Analysis Center

Stewart, Chris

Evaluation for the Early Childhood Project
Orange County Board of County Commissioners
\$175,000
College of Health Professions and Sciences

Towson, Jacqueline

The Center for IDEA Early Childhood Data Systems Professional Learning Unique to Service
Providers in Florida
Florida Department of Health
\$500,000
College of Health Professions and Sciences

Vasu Sumathi, Subith

Long-Wave IR Absorption Diagnostic System to Enhance Research and STEM Training in
Characterization of Energetics
U.S. Air Force Research Laboratory
\$337,692
College of Engineering and Computer Science

Watson, Keri

Leadership Coaching
Laughing Gull Foundation
\$10,000
College of Arts and Humanities

Yu, Haofei

Project 5 - Framework for Collecting and Updating Time-Activity Patterns
The Regents of University of California
\$12,500
College of Engineering and Computer Science