Monthly New Awards – July 2023

**Anderson, Mindi**
Using Simulation to Evaluate the Association Between Clinical Judgment and Emotional Intelligence in Undergraduate Nursing Students
National League for Nursing
$5,000
College of Nursing

**Argenti, Luca**
Coherent Attosecond Ionization Dynamics in Laser-Dressed Atomic and Molecular Systems
National Science Foundation
$360,000
College of Optics and Photonics

**Beidel, Deborah | Bowers, Clint | McDaniel, Carole | Newins, Amie | Rozek, David**
Developing a Comprehensive Behavioral Health System for Florida's First Responders
Florida Department of Children and Families
$1,232,552
College of Sciences

**Bernath, Robert**
C-DESST - Oceanic Propagation
University of South Florida Institute of Applied Engineering
$799,946
Office of Research

**Britt, Daniel**
Quantitative Optimization of Planetary Excavation Methods
NASA Shared Services Center
$84,000
College of Sciences
Chakrabarti, Ratna | Soulakova, Julia
Function of PAINT Long Noncoding RNA in Breast Cancer
Florida Breast Cancer Foundation
$100,000
College of Medicine

Chernyak, Leonid
Electrical Mitigation of Radiation-Induced Defects in InAs/GaSb Structures for Infrared Sensing
National Science Foundation
$415,350
College of Sciences

Crabbs, Robert
In-Situ Atmospheric Path Characterization and Performance Forecasting
MZA Associates Corporation
$54,809
College of Optics and Photonics

Donaldson Hanna, Kerri
Shock Recovery Experiments and Laboratory Sample Analysis of Lunar-Relevant Plagioclase: Implications for Remote Observations of the Moon
Research Foundation of CUNY
$27,517
College of Sciences

Garibay, Ozlem
DiViT: Distributed Vision Transformer for High-Resolution Image Classification
Amazon Web Services, Inc
$37,500
College of Engineering and Computer Science

Huang, Hsin-Hsiung
Efficient and Effective Algorithms for Detection of Anomalies in High-dimensional Spatiotemporal Data with Large Amounts of Missing Data
National Science Foundation
$100,000
College of Sciences
Jenkins, Robert
Analysis of Regular and Random Soliton Gases in Integrable Dispersive PDEs
National Science Foundation
$209,496
College of Sciences

King, Joshua
The Influence of Ants on Regional-Scale Soil Carbon Dynamics
National Science Foundation
$642,713
College of Sciences

Lee, Kangsang
Development of General Methods to Access Functional Arylalkoxysilanes
National Science Foundation
$499,256
College of Sciences

Lighthall, Nichole | Bohil, Corey
Measuring Uncertainty Mechanisms with fNIRS
Ohio State University
$206,540
College of Sciences

Logue, CarolAnn Dykes
SOF Space 2040 Event: USSOCOM Logistics Support
Eric Abrahamson LLC
$44,001
Office of Research

Lyons, Amelia | Gannon, Barbara | Giroux, Amy | Miller, Brook | Oldham, Jessie
UCF Veterans Legacy Program
US Department of Veterans Affairs
$399,260
College of Arts and Humanities
**Manero, Albert**  
Bionic Training Games for Children with Limb Differences  
Independent Donor Formerly Independent Contractor  
$40,000  
Office of Research

**Manero, Albert**  
Quantum's Pursuit: EMG Prosthetic Training for Children  
Independent Donor Formerly Independent Contractor  
$85,000  
Office of Research

**Mckinley, Jennifer**  
2023 Growth Accelerator Fund Competition, Stage One Catalyze  
Small Business Administration  
$50,000  
President

**Nigusse, Bereket**  
Florida Department of Business and Professional Regulation  
$45,000  
Office of Research

**Nigusse, Bereket**  
Florida Department of Business and Professional Regulation  
$91,511  
Office of Research

**Pensky, Marianna**  
Multiplex Generalized Dot Product Graph Networks: Theory and Applications  
National Science Foundation  
$250,000  
College of Sciences
Sinelli, Peter | Gomez, Melissa
Doctoral Dissertation Improvement Award: Ecological Adaptation in a Long Term Context
National Science Foundation
$37,693
College of Sciences

Skukauskaite, Audra
LMIT Student Fellows Ethnography Program 2023
Massachusetts Institute of Technology
$21,200
College of Community Innovation and Education

Sonne, Jeffrey
Florida Department of Business and Professional Regulation
$25,000
Office of Research

Steward, Robert
RF: Biomechanical Mechanisms That Govern Transendothelial Migration
Social Science Research Council
$10,000
College of Engineering and Computer Science

Vasu Sumathi, Subith
Experimental Investigation and Chemical Modeling of Thruster Plumes for Planetary Landers
NASA Shared Services Center (NSSC)
$73,930
College of Engineering and Computer Science

Wang, Liqiang
The Battle Against Neural Plagiarism: Calling for Effective Approaches and Countermeasures in Data Privacy
Google
$10,000
College of Engineering and Computer Science
Wilson, Lauren
Motor Imagery for Treatment Enhancement and Efficacy (MI-TEE) in Persons with Apraxia of Speech
National Institute on Deafness and Other Communication Disorders
$190,000
College of Health Professions and Sciences

Yang, Yang
Development of Advanced Catalysts for High Power Ethanol Fuel Cells
Iowa Corn
$588,279
Office of Research

Zhang, Wei
Computational Methods for Multi-dimensional Data Integration to Improve Phenotype Prediction
National Science Foundation
$550,000
College of Engineering and Computer Science

Zou, Shengli
Probing and Controlling Exciton-Plasmon Interaction for Solar Hydrogen Generation
National Science Foundation
$69,869
College of Sciences