Sponsored Awards in January 2024

Abdel-Aty, Mohamed
Evaluation of Midblock Pedestrian Signals
Florida Department of Transportation
$246,960
College of Engineering and Computer Science

Abdolvand, Reza
Giant Reverse Acoustoelectric Effect in Relaxor-Ferroelectric Semiconductor Heterostructures
US Army Contracting Command
$499,998
College of Engineering and Computer Science

Ahmed, Kareem
Hypersonic Materials Acceleration II (CII Phase 3 – Dr. Ahmed)
LIFT
$201,723
College of Engineering and Computer Science

Asi, Yara
Palestine Program for Health and Human Rights
Harvard University
$33,750
College of Community Innovation and Education

Barber, Sarah; Duncan, Neil; Groff, Amanda; Wheeler, Sandra; Zavodny, Emily
Phase I/II Testing Support at Site 8BR82 and 8BR83 (Season 2) and Phase I/II Testing Support at the LC-1/2/3/4 Original Blockhouse Site (Season 1) Cape Canaveral Space Force Station, Brevard County, Florida
UChicago Argonne, LLC / Argonne National Laboratory
$250,255
College of Sciences
**Blair, Richard; Tetard, Laurene**
Evaluation of Boron Nitride Materials for Catalytic Activity
Saint Gobain
$149,988
Office of Research

**Blanco Redondo, Andrea**
ExpandQISE: Track 2: Harnessing Structured Light for Integrated Quantum Photonics
Research Foundation of CUNY
$134,551
College of Optics and Photonics

**Brisset, Julie**
Center for Lunar Environment and Volatile Exploration Research (CLEVER)
Georgia Institute of Technology
$60,362
Office of Research

**Callaghan, Michael**
NSF-SAA Ethics Bowl Travel Grant
Society for American Archaeology
$5,000
College of Sciences

**Caranto, Jonathan**
N-nitroglycine Biosynthesis: Towards Enzymatic Production of High-Energy Nitramines
US Army Corps of Engineers
$249,999
College of Sciences

**Chai, Karl**
Account for the Acceptance of Donated Book Royalties
Various
$695
College of Medicine

**Choi, Eunice**
SBDC City of Palm Coast 2023-2024: Management and Technical Assistance Services
City of Palm Coast
Coathup, Melanie  
FSGC - FCI: Coathup, FSGC Student Travel, Student Travel Grant Proposal  
NASA Shared Services Center  
$750  
College of Medicine

Cook, Christa  
CODUS - HIV Outcome Quality Measure Evaluation and Stigma  
University of Florida Board of Trustees  
$20,000  
College of Nursing

Croes, Robertico  
Community and Tourism Industry Resilience  
AdventHealth Formerly Florida Hospital Medical Center  
$200,000  
Rosen College of Hospitality Management

Dagley, Melissa  
FSGC - 2024 SECME Regional Competition  
NASA Shared Services Center  
$2,000  
College of Engineering and Computer Science

Damodaran, Anish  
Center for Radio Sciences and Engineering  
University of Puerto Rico Mayaguez Campus  
$165,302  
Office of Research

Emrich, Christopher  
FCI: Supporting Consensus Building and Capacity for Risk Assessment Implementations across East Central Florida Regional Planning Council Counties  
East Central Florida Regional Planning Council  
$50,000  
College of Community Innovation and Education
Faria Venditti, Flaviane  
Arecibo Planetary Radar Physical and Dynamical Characterization of NEAs  
NASA Shared Services Center  
$239,488  
Office of Research

Fathpour, Sasan  
FuSe-REG: Enabling Photonic Computing Engines through Co-design and Hetero-integration  
Research Foundation of CUNY  
$176,480  
College of Optics and Photonics

Gaither, Michelle  
Collaborative Research: NSF GEO-NERC: Using Population Genetic Models to Resolve and Predict Dispersal Kernels of Marine Larvae  
National Science Foundation  
$814,433  
College of Sciences

Gao, Su  
Securing the Continuation of the State Science and Engineering Fair of Florida 2023-2024  
Florida Department of Education  
$72,032  
College of Community Innovation and Education

Gao, Su  
State Science and Engineering Fair 2023-2024  
Florida Department of Education  
$142,968  
College of Community Innovation and Education

Gilbertson, Timothy  
Fatty Acid Signaling in Distinct Taste Cell Types  
National Institute on Deafness and Other Communication Disorders  
$225,303  
College of Medicine
Gu, Lixing
EnergyPlus Software Development and Technical Assistance
Alliance for Sustainable Energy, LLC/National Renewable Energy Laboratory
$210,000
Office of Research

Kauffman, Jeffrey L.
Collaborative Research: Sloshing liquid decontamination of compliant surfaces
National Science Foundation
$240,549
College of Engineering and Computer Science

Kirkegard, Belinda
NEC’s Place-Based Entrepreneurship Training in Central Florida
Regions Bank
$120,000
President

Lee, Woo Hyoung; Yang, Yang
Solar-Driven Photodegradation of MC-LR Using a Novel Au-Decorated Ni Metal-Organic Framework (Au/Ni-MOF)
US Environmental Protection Agency
$75,000
College of Engineering and Computer Science

Martinez, Valerie
Pediatric-Focused APRN Perspectives of Parenting Stress in Families with Autistic Children
Sigma Theta Tau International
$1,000
College of Nursing

Masyada, Stephen; Spinale, Christopher; Wood, Elizabeth
Bay County Civics, Government, and US History Professional Development
Bay County School Board
$14,600
College of Sciences

Mckinley, Jennifer
City of Orlando - Central Florida Industry Diversification Initiative Cenfluence FY24
Mhibik, Oussama; Divliansky, Ivan
Advancement of High-Pulse Energy and High-Repetition Rate 2-Micron Lasers
US Air Force Office of Scientific Research
$150,000
College of Optics and Photonics

Moran, Kevin
Collaborative Research: CPS: Medium: Enabling Data-Driven Security and Safety Analyses for Cyber-Physical Systems
National Science Foundation (NSF)
$275,062
College of Engineering and Computer Science

Qu, Zhihua
Continuous DER monitoring and detection using real-time machine learning of dynamical systems
Battelle Memorial Institute/Pacific Northwest Division
$153,161
College of Engineering and Computer Science

Rabadi, Ghaith; Azevedo, Roger; Kider Jr, Joe; Mondesire, Sean; Soykan, Bulent
Graduate Certificate in Digital Twins for Next Generation Modeling and Simulation
US Department of Education
$1,154,940
School of Modeling, Simulation, and Training

Randles, Christopher; Chen, Zhongzhou
AI Advisor Assistant Pilot Project
CampusEvolve, LLC
$15,000
College of Sciences

Richardson, Kathleen; Banerjee, Parag; Gaume, Romain; Jurca, Titel
FHTCC: Calcium Lanthanum Sulfide (CLS) Durable Windows & Optics - YR4
UCF/Office of Research & Commercialization/Florida High Tech Corridor Council
$61,364
Richardson, Martin; Kerrigan, Haley; Reyes, Danielle
High Power LWIR USP Interaction Studies
US Air Force Office of Scientific Research
$284,313
College of Optics and Photonics

Roney, Joshua
Research Developers as Hubs of Support to Launch and Level Up Faculty’s Research Careers and Nurturing Institutional Ecosystems
Nova Southeastern University
$13,368
Office of Research

Seal, Sudipta
FMSG: Bio: Interface-Directed Manufacturing of Functional Biocrystal Thin Films
University of Wisconsin-Madison
$60,761
College of Engineering and Computer Science

Sugaya, Kiminobu
Silencing Stemness Genes in GBM Tumor to Improve TMZ Efficacy
Exousia AI, Inc.
$81,661
College of Medicine

Towson, Jacqueline
TATS (Technical Assistance and Training System for Programs Serving Young Children with Disabilities)
2023-2024
Florida Department of Education
$1,053,514
College of Health Professions and Sciences

Wahl, Thomas
Mississippi River Delta Transition Initiative (MissDelta)
Louisiana State University and Agricultural and Mechanical College
$94,265
College of Engineering and Computer Science
Wainstein, Michael
UCF Celebrates the Arts 2024
Florida Department of State
$25,000
College of Arts and Humanities

Willenberg, Bradley
Quantification of Indoor Volatile Organic Compounds
ProStar Technologies, Inc. (DBA Lit Thinking)
$64,213
College of Medicine

Willenberg, Bradley
New Attractive Toxic Sugar Baits with Propylene Glycol as a Sugar Substitute and Toxicant in Capillary Alginate Gel Biomaterials
American Mosquito Control Association
$50,000
College of Medicine

Xu, Yunjun; Boloni, Ladislau; Chen, Chen; Santra, Swadeshmukul
PARTNER: ExPanding UCF AI Research To Novel Agricultural EngineeRing Applications
US Department of Agriculture/National Institute of Food and Agriculture
$668,185
College of Engineering and Computer Science

Yu, Chia-Yuan
Orange County Livable Community Strategic Plan
Orange County Health Services
$50,000
College of Community Innovation and Education

Zhai, Lei
Synthesis of Carbonaceous Nanostructures from Sucrose
NASA Shared Services Center
$65,000
College of Sciences