



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

\$68,000

President

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: NSFGE0-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

City of Orlando
\$100,000
President

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

College of Optics and Photonics

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 EngineerRing 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