



## Sponsored Awards in February 2024

### **Amezcuca Correa, Rodrigo**

Beam Combining and Adaptive Optics with Photonic Lanterns

US Air Force Office of Scientific Research

\$149,904

College of Optics and Photonics

### **Baggio, Jacopo; Larsen, Kelsey**

Collaborative Research: DRMS: Group Cognition, Stress Arousal, and Environment Feedbacks in Decision Making and Adaptation Under Uncertainty

National Science Foundation

\$106,136

College of Sciences

### **Baudelet, Matthieu**

Re-association of Submerged Remains Using Laser-Induced Breakdown Spectroscopy

Henry M. Jackson Foundation for the Advancement of Military Medicine

\$539,594

College of Sciences

### **Beazley, Melanie**

City of Titusville MST Project

Geosyntec Consultants, Inc.

\$8,500

College of Sciences

### **Bochenek, Grace; Azevedo, Roger; Cruz-Neira, Carolina; Maraj, Crystal**

Next Generation Soldier-Ground Vehicle Interface Design: Human Digital Twins (HDT)

Clemson University

\$4,839,047

School of Modeling, Simulation, and Training

**Brattain, Laura**

Next Generation Axonal Quantification and Classification Using AI  
MicroBrightfield, LLC dba MBF Bioscience  
\$55,556  
College of Medicine

**Chen, Jiannan**

Functional Stability Criteria and Approaches for Post-Closure Care Assessment of Coal Combustion  
Product Landfills  
Electric Power Research Institute, Inc.  
\$77,709  
College of Engineering and Computer Science

**Copik, Alicja**

Characterizing TGF- $\beta$  Conditioned NK Cells-Continuation  
Kiadis Pharma Netherlands B V  
\$148,019  
College of Medicine

**De Souza Feliciano, Ana Carolina**

Small Cold Classical TNOs as Witnesses of Outer Nebular Chemistry  
Space Telescope Science Institute  
\$12,224  
Office of Research

**Ellis, Amy; Vasquez, Trey**

Unlimited Potential Community Schools: Empowering Students, Families, and Communities through  
Statewide University Partnerships and High-Needs Districts  
US Department of Education  
\$6,050,675  
College of Community Innovation and Education

**Fernandez Valenzuela, Estela**

Beating Weywot in The Game of Hide-and-Seek  
Space Telescope Science Institute  
\$19,663  
Office of Research

**Guzman, Andrea; Muniz, Cyndia**

POTENCIAL: Promoting Opportunities that Enhance Navigation, Completion, Inclusion, and Learning  
US Department of Education  
\$1,199,440  
President - Diversity and Inclusion

**Hines, Rebecca**

Team-based Research and Teaching to Prepare Experts in Language, Literacy, and Learning (T-P3)  
Florida State University  
\$250,000  
College of Community Innovation and Education

**Hines, Rebecca; Hughes, Charlie; Vasquez, Trey**

FLITE: STEM Coaching  
University of Kansas Center for Research, INC  
\$301,626  
College of Community Innovation and Education

**Hoffman, Bari**

Brooks Motor Speech Program  
Genesis Health Development, Inc dba Brooks Health Development  
\$50,973  
College of Health Professions and Sciences

**Hudson, Darren**

Space-based 3D LiDAR Mapping for DAF  
NuView, Inc  
\$33,000  
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

**Kaufman, Joshua**

Polymer Fiber Optics for Use in MR Pulse Oximetry Devices  
Philips DS North America, LLC  
\$95,850  
College of Optics and Photonics

**Kirkegard, Belinda**

General Support of the National Entrepreneur Center  
Seminole County  
\$45,000  
President

**Kline, Nolan**

Community-Led Structural Intervention to Address Health Consequences of Community-Police Interactions  
Healthy Tarrant County Collaboration  
\$260,967  
College of Medicine

**Lee, Woo Hyoung**

Semiconducting Polymer-Based Electrochemical Sensor for Detecting Per- and Polyfluoroalkyl Substances (PFAS) in Water  
Metawater Company Ltd.  
\$20,000  
College of Engineering and Computer Science

**Li, Qifeng**

I-Corps: A Novel Integral-Proportional and Proportional-Integral Controller for Inverter-Based Microgrids  
National Science Foundation  
\$50,000  
College of Engineering and Computer Science

**Martin, Eric**

Buildings Upgrade Prize Technical Assistance  
Alliance for Sustainable Energy, LLC/National Renewable Energy Laboratory  
\$9,908  
Office of Research

**Okumus, Fevzi**

Hospitality and Travel Industry Education and Research Program  
Independent Donor Formerly Independent Contractor  
\$15,000  
Rosen College of Hospitality Management

**Rahman, Talat; Vaida, Mihai**

REU Site: Research in Materials for Energy Applications  
National Science Foundation  
\$427,964  
College of Sciences

**Reyes, Danielle; Kerrigan, Haley; Richardson, Martin**

Tunable RF Generation with GHz Bursts of High-Intensity USPLs  
US Air Force Office of Scientific Research  
\$289,067  
College of Optics and Photonics

**Richardson, Kathleen**

Thermal Lensing-Free Chalcogenide Windows  
Triton Systems, Inc  
\$160,000  
College of Optics and Photonics

**Rohde, Kyle**

Novel Gyrase Inhibitors Targeting Mycobacterium Tuberculosis  
The Florida International University Board of Trustees  
\$76,000  
College of Medicine

**Santra, Swadeshmukul**

Continued Development of Tannic Acid-based Creatine-loaded Polymer Matrices  
Association for Creatine Deficiencies  
\$15,000  
College of Sciences

**Sawyer, Ben D.**

Google Sawyer 2024

Google

\$50,000

College of Engineering and Computer Science

**Schulte, Alfons; Chernyak, Leonid**

Electrical Radiation-Defects Mitigation in Deep Ultraviolet Photodetectors

North Atlantic Treaty Organization

\$377,766

College of Sciences

**Singh, Arvind**

Collaborative Research: Dynamic Connectivity of River Networks as a Framework for Identifying Controls on Flux Propagation and Assessing Landscape Vulnerability to Change

National Science Foundation

\$101,529

College of Engineering and Computer Science

**Vasu Sumathi, Subith**

Dual Frequency Comb Spectroscopy-Based Absorption Diagnostic System for Broadband Ultrafast Time Resolution Measurements to Advance Research in Energetics, Propellants, and Hypersonics

Office of Naval Research

\$20,000

College of Engineering and Computer Science

**Xia, Xiaohu**

Development of Improved Serological Diagnostic and Parasite Genotyping Tools for Congenital Chagas Disease

Tulane University

\$136,990

College of Sciences

**Yalim, Asli**

Internationalizing the Classroom: Using the UN Sustainable Development Goals as a Framework for Addressing Global Issues

Council On Social Work Education

\$10,000

College of Health Professions and Sciences

**Yeo, Jungwon**

SAI: Integrating Equity in Emergency Management of Critical Infrastructure — A human-centered decision framework to improve polycentric governance and design of critical infrastructure across wildland-urban interfaces

The Research Foundation of the State University of New York

\$120,000

College of Community Innovation and Education

**Yu, Liping**

Collaborative Research: Design and Discovery of Entropy-Stabilized Perovskite Halides for Optoelectronics

National Science Foundation

\$189,999

College of Engineering and Computer Science

**Zou, Shengli**

Equipment: MRI: Track II Development of an Optical Spectrometer for Multimodal Linearly Polarized, Circularly Polarized, and Integrating Sphere Assisted Spectroscopic Measurements

Mississippi State University

\$219,209

College of Sciences