



# Proposals Submitted & Awarded FY 2020-2021

The *Grants Flyer* includes:

External Proposals Submitted

External Proposals Awarded

Internal Research Funding Awards (Fall and Spring)

President's Fellowship for Summer Research Awards

Research as High Impact Practice (rHIP) Awards

The Office of Research and Sponsored Programs

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Telephone: (570) 941-6353

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Grants Flyer

# EXTERNAL PROPOSALS SUBMITTED

**Total Proposals Submitted \$7,594,763 (43 proposals)**

## **College of Arts & Sciences**

**Total Proposals Submitted \$4,169,014 (25 proposals)**

**Dr. Benjamin Bishop**, Computing Science and **Dr. Robert Spalletta**, Physics/EE, *Adapting subterranean robotics to anthracite mine fires*, Appalachian Regional Commission, \$413,456.

**Dr. Arthur Catino**, Chemistry and **Alexis Curtis** (Undergraduate Student), *Development of a Three-Component Domino Addition/Cyclization Reaction for the Synthesis of Triarylmethanes (TRAMs)*, Pennsylvania Academy of Science, \$750.

**Dr. Arthur Catino**, Chemistry and **Kaila Steenback** (Undergraduate Student), *Synthesis of Tetraarylmethanes via the Truce-Smiles Rearrangement*, Pennsylvania Academy of Science, \$750.

**Dr. Bryan Crable**, Biology, *Freshwater microbial communities associated with natural debris and the Aquatic Resource for High-Frequency Underwater Research (ARTHUR) at Lake Lacawac Biological Field Station and Environmental Education Center*, Lacawac Sanctuary, \$2,735.

**Dr. Bryan Crable**, Biology, *Physiological heterogeneity of plastic-associated microbial communities in freshwater Lake Lacawac*, National Science Foundation, \$689,727.

**Dr. Bryan Crable**, Biology, *Preliminary investigation of the physiological and functional heterogeneity of microbial communities associated with plastic and natural debris in freshwater Lake Lacawac*, Charles E. Kaufmann Foundation, \$117,961.

**Dr. Michael Fennie**, **Dr. Arthur Catino** and **Dr. Nicholas Sizemore**, Chemistry, *MRI: Acquisition of a 400 MHz Nuclear Magnetic Resonance (NMR) Spectrometer to Advance Research and Student Research Training at the University of Scranton*, National Science Foundation, \$431,751.

**Dr. Nathaniel Frissell**, Physics/EE, Dr. Phillip Erickson (MIT), and Dr. Travis Atkison (University of Alabama), *Enabling Space Weather Research with Global Scale Amateur Radio Datasets*, NASA, \$481,260.

**Dr. Nathaniel Frissell**, Physics/EE, *CAREER: Amateur Radio as a Tool for Studying Traveling Ionospheric Disturbances and Atmosphere-Ionosphere Coupling*,







# EXTERNAL PROPOSALS AWARDED

**Total Proposals Awarded \$2,172,242 (23 awards)**

## **College of Arts & Sciences**

**Total Proposals Awarded \$1,755,451 (13 awards)**

**Dr. Arthur Catino**, Chemistry and **Alexis Curtis** (Undergraduate Student), *Development of a Three-Component Domino Addition/Cyclization Reaction for the Synthesis of Triarylmethanes (TRAMs)*, Pennsylvania Academy of Science, \$750.

**Dr. Arthur Catino**, Chemistry and **Kaila Steenback** (Undergraduate Student), *Synthesis of Tetraarylmethanes via the Truce-Smiles Rearrangement*, Pennsylvania Academy of Science, \$750.

**Dr. Bryan Crable**, Biology, *Freshwater microbial communities associated with natural debris and the Aquatic Resource for High-Frequency Underwater Research (ARTHUR) at Lake Lacawac Biological Field Station and Environmental Education Center*, Lacawac Sanctuary, \$2,735.

**Dr. Bryan Crable**, Biology, *Physiological heterogeneity of plastic-associated microbial communities in freshwater Lake Lacawac*, National Science Foundation, \$198,265.

**Dr. Michael Fennie**, **Dr. Arthur Catino** and **Dr. Nicholas Sizemore**, Chemistry, *MRI: Acquisition of a 400 MHz Nuclear Magnetic Resonance (NMR) Spectrometer to Advance Research and Student Research Training at the University of Scranton*, National Science Foundation, \$362,773.

**Dr. Nathaniel Frissell**, Physics/EE, **Dr. Phillip Erickson** (MIT), and **Dr. Travis Atkison** (University of Alabama), *Enabling Space Weather Research with Global Scale Amateur Radio Datasets*, NASA, \$481,260.

**Dr. Nathaniel Frissell**, Physics/EE, *CAREER: Amateur Radio as a Tool for Studying Traveling Ionospheric Disturbances and Atmosphere-Ionosphere Coupling*, National Science Foundation, \$616,054.

**Dr. Christopher Hauser**, Philosophy, *Summer PWOL Course Redesign*, Andrew W. Mellon

**Dr. Ann Pang-White**, Asian Studies, and **Dr. Yamile Silva**, World Languages and Cultures, *Chinese Language and Culture Program (Collaboration of UofS Asian Studies Program, Department of World Languages and Cultures, CAS, and Provost Office)*, Taiwan Ministry of Education, \$16,230.

**Dr. Charles Pinches**, Theology/RS,  
*in the First-*  
\$47,635

*nal Reflection, beginning*  
NetVue,

\***Dr. Janice Voltzow**, Biology, *Excellence in STEM*, Sanofi, \$20,000.

### **Panuska College of Professional Studies** **Total Proposals Awarded \$20,000 (1 award)**

\***Dr. Debra Pellegrino**, Panuska College of Professional Studies Dean's Office, and **Dr. Hope Baylow**, Health and Human Performance, *The Speech and Hearing Sciences Lab*, Moses Taylor Foundation, \$20,000.

### **Staff** **Total Proposals Awarded \$396,791 (9 awards)**

\***Mary Kay Aston**, Financial Aid, *The James P. Sweeney S. J. Family Outreach Fund*, MetLife Foundation, \$10,000.

\***William Burke**, Financial Aid, *The Donald B. & Dorothy L. Stabler Scholarship Endowment*, The Donald B. & Dorothy L. Stabler Foundation, \$200,000.

**Julie Cohen**, Community Relations, *Scranton's Story, Our Nation's Story*, National Endowment for Humanities, \$152,791.

\***Julie Cohen**, Community Relations, *Steam Projects for School and Community Groups*, Walmart, \$500.

\***Dr. Andrea Mantione**, Leahy Community Health Center, *University of Success*, Charles A. Frueauff Foundation, \$15,000.

\***Dr. Andrea Mantione**, Leahy Community Health Center, *University of Success*, Overlook Estate Foundation, \$4,000.

\***Edward Steinmetz**, Treasurer's Office, *Univ of Scranton COVID19 Recovery Project*, Wells Fargo Foundation, \$10,000.

**\*Pat Vaccaro**, Center for Service & Social Justice, *We Care Wednesday Program*, Robert H. Spitz Foundation, \$2,500.

**\*Pat Vaccaro**, Center for Service & Social Justice, *We Care Wednesday Program*, Scranton Area Foundation, \$2,000.





**SPRING 2021**



# RESEARCH AS HIGH IMPACT PRACTICE (rHIP) AWARDS 2020-2021

**Tommy Baran**, *Investigations into nootropic-modulated learning and memory in *Procambarus clarkii**, \$490

Faculty Mentor: **Dr. Robert Waldeck**, Biology

**Thomas Elias, John Nelson, James Lanning, and Shaaf Sarwar**, *Measuring and Modeling Photon Diffusion in Wax*, \$500

Faculty Mentor: **Dr. Declan Mulhall**, Physics/EE

**Amanda Gereza**, *Axon midline pathfinding after exposure to fluoxetine in a developing vertebrate brain*, \$500

Faculty Mentor: **Dr. Jong-Hyun Son**, Biology

**Mia Gianello**, *Application of Mass Spectrometry Imaging on New Organs of Interest*, \$500

Faculty Mentor: **Dr. Katherine Stumpo**, Chemistry

**Devin Haas**, *Dynamics of a Quantum Bouncer on an Inclined with Arbitrary Angle*, \$500

Faculty Mentor: **Dr. Juan Serna**, Physics/EE

**Jacob Shomali**, *Effects of Fluoxetine Exposure on Neurobiology and Behavior in the ant *Camponotus floridanus**, \$500

Faculty Mentor: **Dr. Marc Seid**, Biology

**Ashley Spencer**, *Antimicrobial Effects of Local Pennsylvania Honey on Several Species of Opportunistic Pathogens*, \$500

Faculty Mentor: **Dr. Bryan Crable**, Biology

**Gregory Venuto**, *The effects of caffeine on motivation to build ant colonies*, \$500

Faculty Mentor: **Dr. Marc Seid**, Biology

**Erin W rPv**

# **Office of Research and Sponsored Programs**

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