



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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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

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