Proposals Submitted & Awarded
FY 2021-2022

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 Support and Sponsored Programs
O’Hara Hall 4th Floor
Telephone: (570) 941-6353
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EXTERNAL PROPOSALS SUBMITTED

Total Proposals Submitted $6,391,438 (55 proposals)

College of Arts & Sciences
Total Proposals Submitted $4,117,150 (30 proposals)

*Drs. Hossein Banitabaei, Amir Zamanian, Physics/EE, The University of Scranton
Mechanical Engineering Student Innovation Center Expansion, P&G Fund, $20,000

Dr. Sean Brennan, History, America and the Soviet World 1945 to the Present, Fulbright

Drs. Ashley Driver, Jong-Hyun Son, Marc Seid, Biology, MRI: Acquiring an Olympus
FV3000RS Confocal Microscope System to Advance Research and Training at the University of
Scranton, National Science Fund, $361,920

Dr. Gerald Dumancas, Chemistry, Recruiting Preparing, and Retaining STEM Educators to
Serve in High-Need Schools, National Science Foundation, $1,158,584

Dr. Vincent Farallo, Biology, RaMP: SPARCnet, National Science Foundation, $187,500

*Dr. Nathaniel Frissell, Physics/EE, Amateur Radio Station and Replacement Radio Telescope
for the New W3USR University of Scranton Amateur Radio Club, Amateur Radio Digital
Communications (ARDC), $167,327

*Dr. Nathaniel Frissell, Physics/EE, Antenna System for the New W3USR University of Scranton
Amateur Radio Club, Amateur Radio Digital Communications (ARDC), $45,000

Dr. Nathaniel Frissell, Physics/EE and Dr. Christian Zorman (Case Western Reserve
University) Collaborative Research: CEDAR Measuring Daily Ionospheric Variability and the
2023 & 2024 Solar Eclipse Doppler Shift Receivers, National Science Foundation, $448,448

Dr. Nathaniel Frissell, Physics/EE, HamSCI Workshop 2022, National Science Foundation,
$49,995

Dr. Nathaniel Frissell, Physics/EE and Dr. Emma Bland (The University Centre in Svalbard),
New Space Weather Applications for High Frequency Radars, Norwegian Research Council,
$24,484

Dr. Christopher Gillet, History, Catholicism and Revolution in the British World, 1630-1673,
National Endowment for the Humanities, $6,000

*Dr. Jean Harris*, Political Science, and Frani Mancuso, Conferences & Event Services, *PNC 2021 Fall Sponsorships*, PNC Foundation, $2,800

*Dr. Christopher Haw*, Theology-Religious Studies, *The University of Scranton Prison Education Program*, The Charles B. Degenstein Foundation, $5,000

*Dr. Christopher Haw*, Theology-Religious Studies, *The University of Scranton Prison Education Program at Dallas SCI*, JFF, $124,229

*Dr. Christopher Haw*, Theology-Religious Studies, *The University of Scranton Prison Education Program*, The Raskob Foundation, $15,000

*Drs. JoyAnna Hopper, Jean Harris*, Political Science, *Annual Conference on Ethics and Excellence in Public Service at The University of Scranton*, American Political Science Association, $10,000

Dr. Christopher Howey, Biology, D. Ned Fletcher, and Dr. Jess Stratford (Wilkes University), *Fire effects on reptile, amphibian, small mammal, and songbird communities*, Pennsylvania Department of Conservation & Natural Resources, $32,388

Dr. Bibi Rafeiza Khan, Biology, *BRC-BIO: Characterization of a group of small synthetic molecules isolated in a chemical genetic screen that alters Arabidopsis root system architecture (RSA) and root development*, National Science Foundation, $466,464

Dr. Joseph Klobusicky, Math, *Phase transitions in two-dimensional foams*, NASA Pennsylvania Space Grant Consortium, $10,347

*Dr. Michelle Maldonado*, Provost Office and Dr. Dave Dzurec, CAS Dean’s Office, *The University of Scranton’s Diversity in the Humanities Initiative*, SSRC/NEH, $99,230

*Dr. Cyrus Olsen*, Theology-Religious Studies, Drs. Ian Corbin, Amar Dhand (Harvard Medical School), *Buffering, Porosity, and Brain Health in Uganda, and America*, Templeton World Charity Foundation, $499,597

Dr. Ann Pang-White, Asian Studies, Drs. Virginia Picchietti, Habib Zanzana, World Languages and Cultures, *Chinese Language-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. Anne Royer, Biology, *Mimulus Ringens*, Philadelphia Botanical Club, $2,000
Dr. Alex Rudniy, Computing Sciences, *Socially Integrated Workplace Training for Community-Based Health Care*, National Science Fund, $165,054

Dr. Yamile Silva, World Languages and Cultures, *Summer Stipends*, National Endowment for the Humanities, $6,000

*Dr. Janice Voltzow*, Biology, *Excellence in STEM Program*, Sanofi, $22,530

*Dr. Janice Voltzow*, Biology and Julie Cohen, Community Relations, *STEM Field trip to Lackawac Sanctuary*, Overlook Estate Foundation, $3,275

Dr. Hank Willenbrink, English & Theater, *Restoring Funding for Technical Director Position for The University of Scranton Theatre Program*, National Endowment for the Arts, $149,748

*Dr. Hank Willenbrink*, English & Theater, and Dr. Adam Pratt, History, *The University of Scranton’s 1902 Anthracite Coal Strike Commission Project*, Willary Foundation, $15,000

Kania School of Management  
**Total Proposals Submitted $50,000 (1 proposal)**

Dr. Ahmed Gomaa, Operations & Analytics, *Blockchain-Enabled Patient Centric Consent to Improve Access to Care*, National Science Foundation, $50,000

Library  
**Total Proposals Submitted $133 (1 proposal)**

Slyvia Orner, Kelly Banyas, Sheli Pratt-McHugh, Library, Dr. Teresa Grettano, English, Dr. William Miller, Health Admin & Human Resources, Dr. Darlene Miller, Art Gallery, *PA Goal Library Licensed Materials Grant*, Pennsylvania State Department of Education, $133

Panuska College of Professional Studies  
**Total Proposals Submitted $936,875 (9 proposals)**

Dr. Michel Bermudez, Occupational Therapy, *Educational Technology for Inclusive Learning in Uganda*, Fulbright

*Dr. Victoria Castellanos*, PCPS Dean’s Office, *Support for ASD Education & Programming at The University of Scranton*, AllOne Foundation, $297,949
*Dr. Rebecca Dalgin*, Counseling & Human Services, *The University of Scranton Jobs Club for Adults with ASD*, PPL Foundation, $16,551

*Dr. Rebecca Dalgin*, Counseling & Human Services, *The University of Scranton Jobs Club for Adults with ASD*, Scranton Area Foundation, $15,000

Dr. Mary Jane DiMattio, Nursing, Drs. Danielle Olds, Emily Cramer (University of Kansas Medical Center), *Defining the Scope of Intention to Leave and Turnover among Baccalaureate Nurses in Hospitals: Implications for Patient Safety*, National Institutes of Health R03, $97,440

Dr. Mary Jane DiMattio, Nursing, Joe Klobusicky, Math, *Defining the Scope of Intention to Leave and Turnover among Baccalaureate Nurses in Hospitals: Implications for Patient Safety*, National Institutes of Health R03, $98,702

Drs. Joan Grossman, Debra Fetherman, Health and Human Performance, *Short Duration Exercise and Anthropometric Changes in Obese, Post-Menopausal Women of a Lower Socioeconomic Status*, Academy of Nutrition and Dietetics, $15,000


*Dr. Lori Walton, Renee Hakim*, Physical Therapy, *The University of Scranton Leahy Physical Therapy Clinic Outreach Program for Refugee Women*, AllOne Charities, $25,000

**Staff**

Total Proposals Submitted $1,287,280 (14 proposals)

Stephanie Adamec, Center for Health Education & Wellness, *Reducing Underage Drinking and Dangerous Drinking Grant*, Pennsylvania Liquor Control Board, $38,340


*James Caffrey*, Physical Plant, *The University of Scranton Multicultural Expansion Project*, PNC Foundation, $200,000

Julie Cohen, Community Relations, *Scranton’s Story Our Nation’s Story Oral Histories/Scranton Stories Project*, Lackawanna Heritage Valley, $4,500

*Elizabeth Garcia and Christine Black, Equity and Diversity, University of Scranton Initiative for the Success of Students of Color, McGowan Charitable Fund, $50,000

*David Kostiak and Donald Bergman, University Police, Practical De-escalation Strategies for Police Workshop, Scranton Area Foundation, $3,400

*Andrea Mantione, University of Success, University of Success, AT&T Foundation, $10,000

*Andrea Mantione, University of Success, University of Success, Charles A. Frueauff Foundation, $15,000

*Andrea Mantione, University of Success, University of Success, PPL Foundation, $10,000

Dr. David Marx, Provost Office, University of Scranton Ronald E. McNair Postbaccalaureate Achievement Program, Department of Education, $261,249

Dr. Darlene Miller-Lanning, Art Gallery, 2022-2023 PPA Program Stream, Pennsylvania Council on the Arts, $3,000

*Mark Murphy, Physical Plant, The University of Scr Urban Tree Planting Project, PA American Water, $10,000

*Patricia Vaccaro, Center for Service & Social Justice, Mentoring Young Minds, FSC Foundation, $3,000
EXTERNAL PROPOSALS AWARDED

Total Proposals Awarded $3,286,541 (29 awards)

College of Arts & Sciences
Total Proposals Awarded $2,389,668 (13 awards)

**Dr. Gerald Dumancas**, Chemistry, **Dr. Jason Graham**, Math, **Dr. Jennifer Kaschak**, Education, *Recruiting Preparing, and Retaining STEM Educators to Serve in High-Need Schools*, National Science Foundation, $1,158,584


**Dr. Nathaniel Frissell**, Physics/EE and Dr. Christian Zorman (Case Western Reserve University) *Collaborative Research: CEDAR Measuring Daily Ionospheric Variability and the 2023 & 2024 Solar Eclipse Doppler Shift Receivers*, National Science Foundation, $399,211

**Dr. Nathaniel Frissell**, Physics/EE, *HamSCI Workshop 2022*, National Science Foundation, $49,995


*Dr. Jean Harris*, Political Science, and Frani Mancuso, Conferences & Event Services, *PNC 2021 Fall Sponsorships*, PNC Foundation, $2,800

*Dr. Christopher Haw*, Theology-Religious Studies, *The University of Scranton Prison Education Program*, The Raskob Foundation, $15,000


*Dr. Cyrus Olsen*, Theology-Religious Studies, Drs. Ian Corbin, Amar Dhand (Harvard Medical School), *Buffering, Porosity, and Brain Health in Uganda, and America*, Templeton World Charity Foundation, $499,597

**Dr. Ann Pang-White**, Asian Studies, **Drs. Virginia Picchietti, Dr. Habib Zanzana**, World Languages and Cultures, *Chinese Language-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. Janice Voltzow*, Biology, *Excellence in STEM Program*, Sanofi, $20,000

*Dr. Janice Voltzow*, Biology and *Julie Cohen*, Community Relations, *STEM Field trip to Lackawac Sanctuary*, Overlook Estate Foundation, $3,663

*Dr. Hank Willenbrink*, English & Theater, and *Dr. Adam Pratt*, History, *The University of Scranton’s 1902 Anthracite Coal Strike Commission Project*, Willary Foundation, $15,000

**Kania School of Management**

Total Proposals Awarded $50,000 (1 award)

*Dr. Ahmed Gomaa*, Operations & Analytics, *Blockchain-Enabled Patient Centric Consent to Improve Access to Care*, National Science Foundation, $50,000

**Library**

Total Proposals Awarded $133 (1 award)


**Panuska College of Professional Studies**

Total Proposals Awarded $354,500 (5 awards)

*Dr. Michel Bermudez*, Occupational Therapy, *Educational Technology for Inclusive Learning in Uganda*, Fulbright

*Dr. Victoria Castellanos*, PCPS Dean’s Office, *Support for ASD Education & Programming at The University of Scranton*, AllOne Foundation, $297,949

*Dr. Rebecca Dalgan*, Counseling & Human Services, *The University of Scranton Jobs Club for Adults with ASD*, PPL Foundation, $16,551

*Dr. Rebecca Dalgan*, Counseling & Human Services, *The University of Scranton Jobs Club for Adults with ASD*, Scranton Area Foundation, $15,000

*Drs. Lori Walton, Renee Hakim*, Physical Therapy, *The University of Scranton Leahy Physical Therapy Clinic Outreach Program for Refugee Women*, AllOne Charities, $25,000
Staff
Total Proposals Awarded $492,240 (9 awards)

Stephanie Adamec, Center for Health Education & Wellness, *Reducing Underage Drinking and Dangerous Drinking Grant*, Pennsylvania Liquor Control Board, $38,340


*James Caffrey*, Physical Plant, *The University of Scranton Multicultural Expansion Project*, PNC Foundation, $75,000

Julie Cohen, Community Relations, *Scranton’s Story Our Nation’s Story Oral Histories/Scranton Stories Project*, Lackawanna Heritage Valley, $2,500

*David Kostiak and Donald Bergman*, University Police, *Practical De-escalation Strategies for Police Workshop*, Scranton Area Foundation, $3,400

*Andrea Mantione*, University of Success, *University of Success*, AT&T Foundation, $10,000

*Andrea Mantione*, University of Success, *University of Success*, Charles A. Frueauff Foundation, $15,000

*Andrea Mantione*, University of Success, *University of Success*, PPL Foundation, $5,000

Dr. Darlene Miller-Lanning, Art Gallery, *2022-2023 PPA Program Stream*, Pennsylvania Council on the Arts, $3,000
FALL 2021 INTERNAL RESEARCH FUNDING AWARDS

**Drs. Bryan Crable, Timothy Cadigan, S.J., Biology, Development of a 16S rRNA Gene Sequencing Pipeline the University of Scranton**, $3,000.

**Dr. Timothy Foley, Chemistry, Characterization of a disulfide-bonded form of trisephsophate isomerase from commercially-available rabbit brains subject to oxidative stress ex vivo**, $2,000.

**Dr. David Ingber, Biology, Effects of Corn Herbivory-Induced plant Volatiles (HIVs) on Fall Armyworm (Sodoptera frugiperda Smith) oviposition choice**, $2,000.

**Dr. Cyrus Olsen, Theology/Religious Studies, Digitizing Traditional Health Records from Kampala, Uganda: Database Management for the Traditional Herbal Medical Clinics of Fr. Anatoli Wassam**, $2,000.

**Drs. Robert Waldeck, Marc Seid, Biology, Determination of dopamine’s role in plasticity of the acoustic startle response in goldfish**, $3,000.

**Total Amount: $12,000**
SPRING 2022 INTERNAL RESEARCH FUNDING AWARDS


Dr. Madeline Gangnes, English, Young Folks and Victorian Illustrated Periodicals, $2,000.

Dr. Jong-Hyun Son, Biology, Effects of hypoxia-induced Reactive Oxygen Species (ROS) on the developmental DA neurons in larval zebrafish, $2,000.

Drs. Joe Kraus, Hank Willenbrink, English, A Scranton Anthology, $3,000.

Dr. Gary Kwiecinski, Biology, Histological Analyses of Reproductive Tracts from the Jamaican Fruit-eating Bat, $1,957.90.

Total Amount: $11,957.90
PRESIDENT’S FELLOWSHIP FOR SUMMER RESEARCH AWARDS 2021

Emily Allen, *The Effect of Age on Cellular Respiration Rates in Camponotus floridanus*, $5,000.
Faculty Mentor: Dr. Marc Seid, Biology

Liza Bruno, *Studying the Effects of Ambient Light at Night (ALAN) on Testosterone Production and Aggressive Behavior*, $5,000.
Faculty Mentor: Dr. Christopher Howey, Biology

Faculty Mentor: Dr. Adam Pratt, History

Koebe S. Diaz, *Empathy and Authority at the Southern Border: A Scenario Study*, $5,000.
Faculty Mentor: Dr. Jessica Nolan, Psychology

Nicolette George, *Investigating the Influence of Ambient Light at Night on Bone Density*, $5,000.
Faculty Mentor: Dr. Christopher Howey, Biology

Faculty Mentor: Dr. Michael Allison, Political Science

Laura Miller, *The Effects of Bacteriophage Transfer in Campanotus Pennsylvanicus Through Trophallaxis*, $5,000.
Faculty Mentor: Dr. Marc Seid, Biology

Shane Power, *Effects of Environmental and Parental Quality on House Wren Reproductive Success*, $5,000.
Faculty Mentor: Dr. Cara Krieg, Biology

Catherine Renton, *Soil Microhabitat Differences Between Two Microendemic Salamanders*, $5,000.
Faculty Mentor: Dr. Vincent Farallo, Biology

Fatima Torres, *Effects of Employment on Recidivism*, $5,000.
Faculty Mentor: Dr. Ismail Onat, Sociology/CJ and Criminology

**Total Amount: $50,000**
RESEARCH AS HIGH IMPACT PRACTICE (rHIP) AWARDS 2021-2022

Emily Allen, The Effect of Age on Cellular Respiration Rates in Camponotus floridanus, $500
Faculty Mentor: Dr. Marc Seid, Biology

Gabrielle Bingener, Hypoxia-induced Developmental Toxicity by Oxidative Stress in Zebrafish Larvae, $508
Faculty Mentor: Dr. Jong-Hyun Son, Biology

Lauren Cleary, The Effects of Rhythmic Priming on Word Learning, $300
Faculty Mentor: Dr. Jill Warker, Psychology

Conor Dougherty, The Prevalence of Electronic Cigarettes (e-cigarettes), $548
Faculty Mentor: Dr. Marc Seid, Biology

Evan Hromisin and Aidan Szabo, Constructing Telescopes to Photograph a Galaxy, $389
Faculty Mentor: Dr. Declan Mulhall, Physics/EE

Zohal Gul Mohammad and Danyelle Tech, Constructing Telescopes to Photograph a Galaxy, $496
Faculty Mentor: Dr. Declan Mulhall, Physics/EE

Ellyn Prusinowski, Experiences and Narratives of Injured Women Runners, $500
Faculty Mentor: Dr. Billie Tadros, English

Michael Quinnan, Morphological Patterning in the Marine Alphaproteobacterium Hirschia baltica, $565
Faculty Mentor: Dr. Amelia Randich, Biology

Katia Ramirez, A Racialized Right to the City? Evaluating Black Spatial Mobility in Post-Emancipation Sân Paulo, Brazil, $416
Faculty Mentor: Dr. Aiala Levy, History

Olivia Sander, The Telencephalon’s Influence on Startle Response Plasticity in Goldfish, $457
Faculty Mentor: Dr. Robert Waldeck, Biology

Jacob Shomali, The Effect of Serotonergic Manipulation on Ant Feeding Behavior, $520
Faculty Mentor: Dr. Marc Seid, Biology
Nathaneil Smith, *What Brain Regions and Neurotransmitters are Integral in Ant Navigation*, $800  
Faculty Mentor: **Dr. Marc Seid**, Biology

Katharine Sollecito, *The Effects of Nicotine and Cannabidiol on the Appetite of Camponotus floridanus*, $500  
Faculty Mentor: **Dr. Marc Seid**, Biology

Dominick Spera, *Studying the Biomedical Events that Detour Healthy Brain Aging and Drive Progression of Neurodegeneration*, $500  
Faculty Mentor: **Dr. Timothy Foley**, Chemistry

Jack Sylvester, *N-acetylcyesteine Protection against Developmental Hypoxic Damage in Zebrapfish*, $566  
Faculty Mentor: **Dr. Jong-Hyun Son**, Biology

Isabella Travaglia, *The Effect of Diazepam on Aggression Nestmate Recognition in Camponotus floridanus Ants*, $499  
Faculty Mentor: **Dr. Marc Seid**, Biology

Elise Westhafer, *Regeneration of the Optic Tectum after Injury in Juvenile Axolotls*, $450  
Faculty Mentor: **Dr. Robert Waldeck**, Biology

Sofia Zingone, *Characterizing Differentiation Protocols for Neuro2a Cells*, $482  
Faculty Mentor: **Dr. Ashley Driver**, Biology

**Total Amount: $8,996**
Office of Research Support and Sponsored Programs

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Corporate and Foundation Relations

Ms. Meg Hambrose, Director, 570-941-4262
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