The Office of Grants, Research and Sponsored Programs has enjoyed an active and successful year once again as evidenced in this Year in Review. This success was made possible through the dedication and hard work of the faculty and staff highlighted in this publication. In FY18, fifty-nine grant applications requesting $6,537,789 were submitted to external funding agencies. A total of 31 award notices were received in FY18 totaling $1,631,464 in awards. Thanks to all the grant writers who made this possible. We are looking forward to an even more exciting and rewarding year in FY19!

The amount of external funding requested in FY18 totaled $6,537,789.

In FY18, a total of 59 grant applications were submitted to external funding sources.

Forty-nine faculty and staff submitted grant applications to external funding sources in FY18.

Thirty-one award notices were received in FY18 totaling $1,631,464.

The total number of new grant writers for FY18 was 17.
The mission of the Office of Grants, Research and Sponsored Programs is to facilitate research and sponsored programs by increasing awareness and competitiveness in the pursuit of internal and external funding to support the mission of the university.
Annual Metrics for External Funding

The Office of Grants, Research and Sponsored Programs has made progress in advancing external funding at SRU. Growth continued in FY18 as SRU faculty and staff participated in submitting 59 proposals: 11 federal, 8 state, 38 other/private and 2 State System transfers.

Submissions totaled $6,537,789 and resulted in grant awards totaling $1,631,464.

The metrics below reflect the awards received.

External Awards Received
July 1, 2017 - June 30, 2018

- Federal ($529,509)
- State ($893,068)
- Private/Other ($179,887)
- PASSHE Flow-Through ($29,000)
Awards by College and Division

<table>
<thead>
<tr>
<th>College and Division</th>
<th>Proposals Submitted</th>
<th>Proposals Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic and Student Affairs*</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>College of Business</td>
<td>3</td>
<td>2</td>
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<tr>
<td>College of Education</td>
<td>16</td>
<td>10</td>
</tr>
<tr>
<td>College of Health, Environment and Science*</td>
<td>26</td>
<td>11</td>
</tr>
<tr>
<td>College of Liberal Arts</td>
<td>6</td>
<td>1</td>
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<tr>
<td>Finance, Administrative Affairs and Advancement Services</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>President's Office*</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Total:</td>
<td>59</td>
<td>31</td>
</tr>
</tbody>
</table>

*Includes grants submitted in FY17 that were awarded in FY18
“U.S. Academic Host Institution Application 2017-18 International Undergraduate Student Programs”

Funding Source: International Research & Exchange Board (IREX)
Amount Awarded: $12,911
Project Dates: Jan. 15, 2018 to May 12, 2018

Overview: The purpose of this project is to host an exchange student through the U.S. Department of State’s Bureau of Education and Cultural Affairs, Global UGRAD Program for the Spring 2018 semester.

“U.S. Academic Host Institution Application 2018-19 International Undergraduate Student Programs”

Funding Source: International Research and Exchange Board (IREX)
Amount Proposed: $26,024
Project Dates: Aug. 27, 2018 to May 31, 2019

Overview: The purpose of this project is to host an exchange student through the U.S. Department of State’s Bureau of Education and Cultural Affairs, Global UGRAD Program for the Fall 2018 semester.

“Successful Degree Completion for Students with Autism Spectrum Disorders”

Funding Source: Pennsylvania State System of Higher Education
Amount Awarded: $5,000
Project Dates: July 1, 2017 to June 30, 2018

Overview: The purpose of this project is to support the development of a pilot program leading to successful degree completion for students with autism spectrum disorders.
“Diversity Dialogues”
Funding Source: Lumina Foundation
Amount Proposed: $24,992
Project Dates: Sept. 1, 2018 to Aug. 31, 2019

Overview: The purpose of this project is to design Diversity Dialogues for students to explore, learn and share their thoughts and ideas on various racial and social justice issues.

“Pre-K Counts”
Funding Source: Pennsylvania Department of Education through Lifesteps, Inc.
Amount Awarded: $280,725
Project Dates: July 1, 2017 to June 30, 2018

Overview: The purpose of the Lifesteps and SRU/SGA Preschool and Child Care Center joint grant is to coordinate services so that eligible children can participate in a developmentally appropriate, research-based early learning program that ensures a smooth transition to kindergarten. This is Year 05 of a five-year grant.
“It’s On Us”

Funding Source: Pennsylvania Department of Education
Amount Awarded: $8,577
Project Dates: April 1, 2018 to Dec. 31, 2018

Overview: The purpose of this project is to expand the role that SRU has on combatting sexual violence. The outcomes of these efforts include engaging the conversation about sexual violence on our campus, improving reporting and response structures, and building momentum to create sustained changes to our campus culture.
“Government Contracting Assistance Center”

Funding Source: Defense Logistics Agency through California University of Pennsylvania
Amount Awarded: $24,000
Project Dates: Sept. 1, 2017 to Aug. 31, 2018

Overview: The purpose of the Government Contracting Assistance Center is to provide services to companies interested in pursuing federal, state and local government contracts and subcontracts.

“The Development and Benchmarking of Contemporary Sustainability Indicators for Rural Ethnic Chinese Villages: A Case Study of the Social, Economic and Ecological Issues of Two Gelao Villages New Chongqing Municipality”

Funding Source: ASIANetwork
Amount Awarded: $29,010
Project Dates: May 1, 2018 to May 15, 2019

Overview: The purpose of this project is to develop and benchmark sustainability indicators and metrics and evaluate human vulnerability to the social, economic and environmental stresses created by modernization initiatives in rural ethnic Chinese villages.
“A Theoretically-Based Examination of the Drivers of Future Civic Behavioral Intentions: A National Study”

Funding Source: Corporation for National and Community Service  
Amount Proposed: $174,818  
Project Dates: Oct. 1, 2017 to Sept. 30, 2019  

Overview: The purpose of this research project is to address how civic engagement changes through experiences and to better understand what motivates people to participate in civic engagement.
“Troops to Teachers”
Funding Source: NAVSUP Fleet Logistics Center San Diego through Pennsylvania Department of Education
Amount Awarded: $273,630
Project Dates: February 2, 2018 to May 14, 2018
Overview: The purpose of this project is to recruit and retain veterans in an innovative alternative post-baccalaureate program to teach in a high need shortage area in a district of great need.

“Collaborative Research: DRK-12: Developing Highly Qualified STEM Teachers Through Non-Traditional Curricular Pathways and Innovative Professional Development Experiences”
Funding Source: National Science Foundation
Amount Proposed: $76,138
Project Dates: May 1, 2018 to April 30, 2020
Overview: The purpose of this project is to increase the number of highly qualified STEM teachers, and to design and support innovative professional development opportunities for STEM teachers.

“Troops to Teachers”
Funding Source: NAVSUP Fleet Logistics Center San Diego through Pennsylvania Department of Education
Amount Awarded: $182,208
Project Dates: May 15, 2018 to May 14, 2023
Overview: The purpose of this project is to recruit and retain veterans in an innovative alternative post-baccalaureate program to teach in a high need shortage area in a district of great need.
“Preparing Current and Future Educators through Residency”

Funding Source: Pennsylvania Department of Education  
Amount Proposed: $75,000  
Project Dates: Sept. 1, 2018 to Sept. 30, 2019  

Overview: The purpose of this project is to prepare current and future teachers with skills and tools needed to advance student achievement through a two-semester teacher residency program at the undergraduate level.

“Transition Achievement Program (TAP)”

Funding Source: Pennsylvania Department of Labor/Office of Vocational Rehabilitation  
Amount Awarded: $260,422  
Project Dates: Jan. 1, 2018 to Dec. 31, 2019  

Overview: The purpose of this project is to provide pre-employment transition services to high school students with intellectual and other developmental disabilities, extending our current TAP Program.

“Work-Based Learning Experience”

Funding Source: Pennsylvania Department of Labor/Office of Vocational Rehabilitation  
Amount Awarded: $150,067  
Project Dates: Oct. 1, 2017 to Sept. 30, 2018  

Overview: The purpose of this project is to provide 15 high school students with disabilities with paid work-based employment experiences.
“SRU TAP Program”
Funding Source: XTO Energy Inc.
Amount Awarded: $5,000
Project Dates: Sept. 1, 2017 to Aug. 31, 2018

Overview: The purpose of this project is to support the operation of the SRU Transition Program with unrestricted funding.

“Growing Together: An Aquaponics Transition Program”
Funding Source: Mitsubishi Electric America Foundation through DREAM Partnership
Amount Awarded: $29,318
Project Dates: Jan. 1, 2018 to Dec. 31, 2018

Overview: The purpose of this project is to provide transition and job training in STEM disciplines to high school and college students with intellectual and other developmental disabilities in an inclusive self-contained aquaponics program.

“Rock Life – Post Secondary Education Program for Students with Intellectual Disabilities”
Funding Source: DREAM Partnership
Amount Awarded: $20,000
Project Dates: Jan. 1, 2018 to Dec. 31, 2018

Overview: The purpose of this project is to provide postsecondary education opportunities for college students with intellectual and other developmental disabilities. This funding is for Year 03 of a three-year grant.

“Expansion of the SRU Transition Program”
Funding Source: DSF Charitable Trust
Amount Awarded: $40,000
Project Dates: Sept. 1, 2017 to Aug. 31, 2018

Overview: The purpose of this project is to provide general program support to expand the SRU Transition Program by adding a postsecondary education program and a summer transition component to the existing job training, residential, nutrition and physical activity components. This is Year 02 of a two-year grant.
“Environmental Education and Conservation Stewardship for Students with Intellectual Disabilities through a Community-Based Aquaponics Program”

Funding Source: Pennsylvania Environmental Protection Agency  
Amount Proposed: $100,000  
Project Dates: Sept. 1, 2018 to Aug. 31, 2019

Overview: The purpose of this project is to provide environmental education to high school students with intellectual disabilities and other developmental disabilities through a community-based aquaponics program.

“Cultivating Healthy Lifestyles, Independence and Employment Skills in Students with Intellectual Disabilities”

Funding Source: PNC Charitable Trusts  
Amount Proposed: $12,324  
Project Dates: Aug. 27, 2018 to Aug. 25, 2019

Overview: The purpose of this project is to enhance the quality of life of students with intellectual disabilities through opportunities in urban farming (Aquaponics) and a community/park bicycle educational program through a mentoring and community partnership.

“Summer Academy 2018”

Funding Source: Pennsylvania Department of Labor/Office of Vocational Rehabilitation  
Amount Awarded: $143,830  
Project Dates: Jan. 1, 2018 to Dec. 31, 2018

Overview: The purpose of this project is to conduct a college and career readiness summer program for high school students with disabilities.
“Analysis of Obesity Rates for School Children in Pennsylvania”

Funding Source: Center for Rural Pennsylvania
Amount Proposed: $15,000
Project Dates: Jan. 2, 2018 to Oct. 2, 2018

Overview: The purpose of this project is to examine rates and trends in obesity from rural and urban public schools using existing data and from student fitness levels from physical education teachers, physical activity opportunities in schools and accessibility to grocery stores through mapping software.

“Kids in Action Inclusive Afterschool Physical Activity Program”

Funding Source: SHAPE America
Amount Proposed: $1,350
Project Dates: Sept. 19, 2018 to Dec. 1, 2018

Overview: The purpose of this project is for the SRU after-school program, Kids in Action, to engage children with disabilities, and their siblings, in quality physical activity through a variety of structured and enjoyable forms of physical activity.
“Project MAX Implementation at Slippery Rock University”

Funding Source: Montgomery County Intermediate Unit
Amount Awarded: $10,000
Project Dates: July 1, 2017 to June 30, 2018

Overview: The purpose of this project is to provide training and consultation to support programs providing instruction for students with a focus on meeting the needs of special education students with significant disabilities.

Funding Source: National Science Foundation  
Amount Proposed: $727,702  
Project Dates: May 15, 2018 to May 14, 2023

Overview: The purpose of this project is to examine what role the connecting ligands play on the magnetic properties of lanthanide containing metallacrowns, incorporate new cyclic ligands to encapsulate a lanthanide ion, prepare new lanthanide containing cobalt-based metallacrowns and improve student understanding of the solid state and magnetic properties. The goal is to increase the functional temperatures of molecular magnets and to improve student learning.

“Slippery Rock University Chemical Symposium”

Funding Source: American Chemical Society  
Amount Proposed: $993  
Project Dates: June 1, 2018 to May 31, 2019

Overview: The purpose of this project is to sponsor a local undergraduate-focused research symposium in the field of chemistry.

“Slippery Rock Pro Bono Physical Therapy Start-Up”

Funding Source: MoveTogether.org  
Amount Proposed: $4,551  
Project Dates: Aug. 1, 2018 to Aug. 1, 2019

Overview: The purpose of this project is to serve as a kick-start to establish a pro bono Physical Therapy Clinic.
“EAAT Participation Fund Scholarship”
Funding Source: Professional Association of Therapeutic Horsemanship (PATH) International
Amount Proposed: $1,000
Project Dates: April 1, 2018 to March 31, 2019
Overview: The purpose of this project is to receive funding for one rider who participates in weekly therapeutic riding lessons at the Storm Harbor Equestrian Center.

“Equine Services for Heroes”
Funding Source: Professional Association of Therapeutic Horsemanship (PATH) International
Amount Awarded: $1,000
Project Dates: June 1, 2018 to June 1, 2019
Overview: The purpose of this project is to receive funding to purchase up to six new saddles for the veterans program at the Storm Harbor Equestrian Center.

“New Arena Footing Project”
Funding Source: USA Equestrian Trust Fund
Amount Proposed: $19,700
Project Dates: July 1, 2018 to June 30, 2019
Overview: The purpose of this project is to purchase new footing for the indoor riding arena at the Storm Harbor Equestrian Center.
“Regulators of Cytosolic Protein Quality Control in Aging and Disease”

Funding Source: National Institutes of Health through University of Pittsburgh
Amount Proposed: $25,256
Project Dates: April 1, 2018 to March 31, 2020

Overview: The purpose of this project is to explore the relationship between protein quality control and age-related disease.

“Regulators of Cytosolic Protein Quality Control in Aging and Disease”

Funding Source: National Institutes of Health through University of Pittsburgh
Amount Proposed: $25,256
Project Dates: April 1, 2018 to March 31, 2018

Overview: The purpose of this project is to explore the relationship between protein quality control and age-related disease.

“Recreational Therapy Equine-Assisted & Aquatic Program (RT-EAP)”

Funding Source: Council on Brain Injury
Amount Awarded: $2,000
Project Dates: April 15, 2018 to April 30, 2019

Overview: The purpose of this project is to engage individuals with brain injuries in equine-assisted activities and therapeutic aquatic activities within a university environment utilizing Recreational Therapy students as instructors and/or mentors.
“Words Matter: An Examination of Gender Inclusive vs. Exclusive Pronouns”
Funding Source: Psi Chi
Amount Proposed: $2,000
Project Dates: Sept. 18, 2017 to April 1, 2018
Overview: The purpose of this project is to examine the effect of gender exclusive (he OR she) versus gender inclusive (s/he, they and ze) pronouns on perceptions of advertising materials.

“Words Matter: An Examination of Gender Inclusive vs. Exclusive Pronouns”
Funding Source: American Psychological Foundation
Amount Proposed: $3,000
Project Dates: Nov. 15, 2017 to Nov. 15, 2018
Overview: The purpose of this project is to examine the effect of gender-exclusive (he OR she) versus gender-inclusive (s/he, they and ze) pronouns on perceptions of advertising materials.

“Stress Management for Community Well-Being and Quality of Life”
Funding Source: Christopher and Dana Reeve Foundation
Amount Proposed: $14,999
Project Dates: July 15, 2018 to June 15, 2019
Overview: The purpose of this program is to promote community well-being and Quality of Life for individuals with paralysis in the six counties surrounding SRU. The focus of all activities will reinforce independence and self-determination of individuals with paralysis to change and control their own environments and health behaviors.

“Veterans Adaptive Sports Program”
Funding Source: Veterans Administration
Amount Proposed: $70,877
Project Dates: Oct. 1, 2018 to Sept. 30, 2019
Overview: The purpose of this program is to continue a rehabilitative, therapeutic equine-assisted program that is designed to provide intense individualized attention and a longer duration therapeutic program that is specific to the level of need of the individual disabled veteran or member of the armed forces. This project expands the program with an equine-assisted stress management program for veterans with PTSD.
“Functional, Structural and Thermodynamic Impacts of a,a-Dialkylated Amino Acid Incorporation in Protein β-Sheets”

Funding Source: National Science Foundation  
Amount Proposed: $858,268  
Project Dates: June 1, 2018 to May 31, 2023  

Overview: The purpose of this project is to investigate the impact of incorporation of α,α-diakylated amino acids on the structure and proteolytic stability of peptides.

“Treating Injuries and Muscle Fatigue in Student Athletes”

Funding Source: The Bill Belichick Foundation  
Amount Proposed: $9,890  
Project Dates: Oct. 1, 2017 to Sept. 30, 2018  

Overview: The purpose of this project is to provide student athletes with state-of-the-art equipment to treat soft tissue injuries and muscle fatigue.
“Wellness Expo Initiative”

Funding Source: Pennsylvania Faculty Health and Welfare Fund
Amount Awarded: $1,500
Project Dates: Feb. 1, 2018 to June 30, 2018

Overview: The purpose of this project is for students to offer a Wellness Expo at SRU for faculty, staff and other students. This event will allow students to develop and present wellness concepts, materials and activities to increase participants’ awareness, education and skills.
“Collaborative Research: Cranial Base Development in Primates”

Funding Source: National Science Foundation
Amount Proposed: $150,275
Project Dates: Jan. 1, 2018 to Dec. 31, 2021

Overview: The purpose of this project is to test the hypotheses bearing on the development of the endochondral bones that form the base of the skull in non-human primates.

“An Online Atlas of Primate Postcranial Growth Processes”

Funding Source: American Association of Anatomists through the University of Florida
Amount Proposed: $11,337
Project Dates: Jan. 1, 2018 to June 30, 2020

Overview: This purpose of this project is to create an online, interactive visualization tool designed specifically to show aligned serial sections with a 3D reference model of primate postcranial growth.

“Collaborative Grant: Cranial Base Development in Primates”

Funding Source: National Science Foundation
Amount Proposed: $155,118
Project Dates: July 1, 2019 to June 30, 2021

Overview: The purpose of this project is to test hypotheses bearing on the development of the endochondral bones that form the base of the skull in non-human primates.
“Interpreting the Environment Through the Lens of the Past with Herbs”

Funding Source: Herb Society of America
Amount Proposed: $4,959
Project Dates: June 1, 2018 to May 30, 2019

Overview: The purpose of this project is to research the historical horticultural, scientific and socio-cultural uses of herbs in Western Pennsylvania in order to inform the development of collaborative public educational programming at the Robert A. Macoskey Center for Sustainable Systems and Research and the Old Stone House in partnership with the Center for Public Humanities.

“SRU Wellness Initiative - Meditation”

Funding Source: Pennsylvania Faculty Health and Welfare Fund
Amount Awarded: $1,500
Project Dates: Sept. 1, 2017 to June 30, 2018

Overview: The purpose of this project is to provide SRU faculty, staff, administration and family the opportunity to engage in professionally guided meditation classes to improve many aspects of their wellness (mental, physical, spiritual, emotional and intellectual) through stress management techniques.

“SRU Wellness Initiative - Yoga”

Funding Source: Pennsylvania Faculty Health and Welfare Fund
Amount Awarded: $1,440
Project Dates: Sept. 1, 2017 to June 30, 2018

Overview: The purpose of this project is to provide SRU faculty, staff, administration and family the opportunity to engage in yoga to improve many aspects of their wellness (mental, physical, spiritual, emotional and intellectual) through stress management techniques.
“Forest Fire and Forest Management in Yunnan, China”

Funding Source: ASIANetwork
Amount Proposed: $29,570
Project Dates: March 1, 2018 to May 15, 2019

Overview: The purpose of this project is to investigate three current issues critical to China and the world: forest fire assessment and management, climate change and forest transition.
“Ferritin Uptake and Release Research for Project SEED Students”

Funding Source: American Chemical Society (ACS) – National
Amount Awarded: $2,500
Project Dates: June 11, 2018 to Aug. 30, 2018

Overview: The purpose of this project is to allow high school students to do research in an academic setting which is designed to expand the career goals of economically disadvantaged high school students.

“Ferritin Uptake and Release Research for Project SEED Students”

Funding Source: American Chemical Society (ACS) – Pittsburgh
Amount Awarded: $3,140
Project Dates: June 11, 2018 to Aug. 30, 2018

Overview: The purpose of this project is to allow high school students to do research in an academic setting which is designed to expand the career goals of economically disadvantaged high school students.

“Ferritin Uptake and Release Research for Project SEED Students”

Funding Source: Spectroscopy Society of Pittsburgh
Amount Awarded: $4,000
Project Dates: June 10, 2019 to Aug. 2, 2019

Overview: The purpose of this project is to allow high school students to do research in an academic setting which is designed to expand the career goals of economically disadvantaged high school students.
“Reacting to the Past for High Impact Challenge Teams Workshop”
Funding Source: Reacting Consortium/Endeavor Foundation
Amount Proposed: $7,500
Project Dates: Sept. 15, 2017 to June 15, 2018
Overview: The purpose of this project is to enable an institution-wide team to attend a conference that is designed to teach curriculum revision strategies and methods specifically focused on incorporating the high-impact, inter-disciplinary Reacting to the Past pedagogy.

“2019 Kaleidoscope Arts Festival”
Funding Source: Pennsylvania Partners in the Arts
Amount Proposed: $2,500
Project Dates: April 11, 2019 to April 27, 2019
Overview: The purpose of this project is to provide free or low cost quality arts programming to an underserved population through the annual Kaleidoscope Arts Festival.
“Reinventing Teaching and School Leadership”

Funding Source: Bill and Melinda Gates Foundation and the Misk Foundation  
Amount Proposed: $100,000  
Project Dates: Nov. 1, 2018 to May 31, 2020

Overview: The purpose of this project is to create an online and paper-based curriculum accessible to K-12 English teachers in Panama to provide learners with proficiency-based instruction through communicative and task-based approaches.

“French Film Festival”

Funding Source: French American Cultural Exchange (FACE) Foundation  
Amount Proposed: $2,200  
Project Dates: March 25, 2019 to April 5, 2019

Overview: The purpose of this project is to present a French-language film festival for SRU and the surrounding communities.
“Tutaphonium Commission”

Funding Source: Chamber Music America
Amount Proposed: $21,500
Project Dates: July 1, 2018 to June 30, 2021

Overview: The purpose of this project is to commission a composer to write a new work for flute, two euphoniums and two tubas to be performed by SRU faculty at least three times within the United States.

“Humanities Ladder”

Funding Source: PNC Foundation
Amount Awarded: $22,500
Project Dates: July 1, 2017 to June 30, 2019

Overview: The purpose of this project is to support the Humanities Ladder, a gradual three-year process beginning in the sophomore year of high school to expose college-level content, expectations and culture. This is Year 02 of a two-year grant.
“2018 Healthy Planet, Healthy People Environmental Summer Camp & Community Project Incubator”

Funding Source: Cedar Tree Foundation  
Amount Proposed: $89,581  
Project Dates: Dec. 13, 2017 to Dec. 12, 2018

Overview: The purpose of this program is to provide an environmental education summer camp program for high school teacher/student teams to expand their knowledge base on environmental issues and solutions, by having each team select an environmental stewardship project that meets the needs of their local community and execute a community project after the summer camp.
“Tukuo”

Funding Source: Pennsylvania Partners in the Arts
Amount Proposed: $1,950
Project Dates: Nov. 2, 2018 to Nov. 2, 2018

Overview: The purpose of this project is to introduce this community to a seven-member ukulele orchestra from the UK whose work is considered daring, inventive and filled with British humor.
Internal Grants
Faculty/Student Research Grants 2017-2018

The purpose of this internal grant initiative is to provide support to faculty research proposals that directly involve undergraduate or graduate students in scholarly research or creative activity directed toward a joint presentation, publication, demonstration and/or performance. The following faculty members prepared a grant proposal in response to the Request for Proposals.

**Vaughn Bicehouse**
Special Education
“Sensory Theater Production”
Oct. 1, 2017 to May 12, 2018

**Qi Chen**
Chemistry
“Searching for Antiviral Agents: Synthesis and Drug Action Mechanism Study”
Jan. 1, 2018 to Dec. 31, 2018
$4,915

**Matthew Erickson**
Special Education
“Presentation and Collaboration at the Hawaii International Conference in Education”

**Paul Falso**
Miranda Falso
Biology
“Analysis of Immune and Endocrine Function in African clawed frogs (Xenopus laevis) After Pesticide E”
Jan. 1, 2018 to Dec. 31, 2018
$5,000

**Wayne Forbes**
Joy Strain
Steve Strain
Biology
“An Investigation of the Anti-Neospora Caninum Activity of Eryngial, In Vitro”
Jan. 15, 2018 to Dec. 15, 2018
$4,888

**Susan Hadley**
Music
“Disability Discourse in Music Therapy”
Jan. 1, 2018 to Nov. 30, 2018
$4,627

**Heather Hertel**
Krishna Mukherjee
Ursula Payne
Susan Rehorek
Judy Silva
Art
Physics and Engineering
Dance
Biology
Bailey Library
“Soar: An Interdisciplinary Performance Project”
Jan. 22, 2018 to Nov. 2, 2018
$5,000
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Project Title</th>
<th>Duration</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethan Hull</td>
<td>Physical and Health Education</td>
<td>“Teacher Analysis for Improvements in New PE Curricula”</td>
<td>Dec. 1, 2017 to May 18, 2018</td>
<td></td>
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<tr>
<td>Ethan Hull</td>
<td>Physical and Health Education</td>
<td>“Assess Student Learning and Empowerment”</td>
<td>Dec. 1, 2017 to May 10, 2018</td>
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<tr>
<td>Jennifer Keller*</td>
<td>Dance</td>
<td>“Creating an Urban Dance Film”</td>
<td>April 28, 2018 to Dec. 31, 2018</td>
<td>$4,889</td>
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<tr>
<td>Istvan Kovacs*</td>
<td>Physical and Health Education</td>
<td>“Loop-Drive Training Utilizing Biomechanical Feedback Among Amateur Table Tennis Players”</td>
<td>Jan. 1, 2018 to Dec. 31, 2018</td>
<td>$4,231</td>
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<td>Sarah Kuehn*</td>
<td>Rebecca Ridener</td>
<td>Criminology and Security Studies “College Major Selection”</td>
<td>Jan. 21, 2018 to Dec. 31, 2018</td>
<td>$3,112</td>
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<tr>
<td>Archana Kumari</td>
<td>Physics and Engineering</td>
<td>“Fabrication of 3-hexylthiophene-2,5-diyl(P3HT) Nanopillars using Alumnia Templates”</td>
<td>Jan. 20, 2018 to Dec. 20, 2018</td>
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<tr>
<td>Kathleen Melago*</td>
<td>Jonathan Helmick</td>
<td>Music “Two Works for Flute and Tuba-Euphonium Ensemble”</td>
<td>Jan. 1, 2018 to April 15, 2018</td>
<td>$4,520</td>
</tr>
</tbody>
</table>

*Awarded
The Green Fund Grants 2017-18

The Green Fund was established to support environmental initiatives on campus and in the community. The Advisory Board accepts proposals and distributes funding for programs promoting environmental education and projects related to environmental sustainability. The following proposals were submitted in response to the Request for Proposals.

Robert Arnhold
Physical and Health Education
“Growing Together: An Aquaponics Transition Program”
Jan. 1, 2018 to May 31, 2018

Joel Brown*
Environmental Health and Safety
“Cardboard Baler Acquisition”
Jan. 5, 2018 to Mar. 10, 2018
$14,550

Ryan Naylor*
Shawn Davis
Parks, Conservation and Recreational Therapy
“Planting Ten Trees alongside of Boarder of Rugby Field”
Mar. 24, 2018 to Mar. 24, 2018
$1,973

Paul Scanlon*
Office of Sustainability
“WOW Reusable Bags”
April 9, 2018 to Aug. 27, 2018
$19,650

*Awarded
Student Research, Scholarship and Creative Activities Grants 2017-18

The mission of Slippery Rock University’s Center for Student Research is to create a community of learners by facilitating the exchange of ideas, to provide a collegial venue that prepares students for further scholarly exploration and professional careers and to promote scholarly inquiry as a fundamental value of the SRU experience. The goal of this internal grant program is to support and promote high-quality student/faculty collaborative research, scholarship and creative activity. The following students prepared a grant proposal in response to the Request for Proposals.

Maevon Gumble
Faculty Mentor: Susan Hadley
Music
“Exploring the Potential of Gender Affirming Voicework in Music Therapy”
Oct. 24, 2017 to Jan. 1, 2019

Christian Heasley
Faculty Mentor: Stacy Jacob
Counseling and Development
“LGBT Students in CCCU Colleges”
Nov. 1, 2017 to May 18, 2018

Nathan Hoffman*
Faculty Mentor: Istvan Kovacs
Physical and Health Education
“The Effects of Tactical Strength and Conditioning on Firefighters’ Job-Related Task Performance”
April 30, 2018 to Nov. 30, 2018
$500

Sydney Larner
Jacob Paterline
Faculty Mentor: Rachel Barger-Anderson
Special Education
“Hurricane Relief Care Trip”
Jan. 14, 2018 to Jan. 18, 2018

Becca Lasko*
Faculty Mentor: Tim Oldakowski
English
“Adolescents Perspectives on Young Adult Literature”
May 14, 2018 to Aug. 25, 2018
$408

Maddison Manolis*
Alison Vitale
Faculty Mentor: Jennifer Keller
Dance
“Preparing for the Profession: Documenting and Promoting Choreographic Work”
April 3, 2018 to May 12, 2018
$500
Austin McClinton*
Faculty Mentor: Istvan Kovacs
Physical and Health Education
“The Effects of Muscular Endurance vs. Power Training for Upper Body Strength of College Aged Students”
Jan. 29, 2018 to June 30, 2018
$500

Kristen McSorely
Faculty Mentor: Susan Hadley
Music
“Gender Microaggressions in Music Therapy”
Nov. 20, 2017 to Nov. 23, 2020

Dominque Moye*
Faculty Mentor: Wayne Forbes
Biology
“The Effect of Eryngial on Neosporum caninum”
Jan. 1, 2018 to Apr. 30, 2018
$500

Lance Neuscheler*
Stephanie Ace
Rachel Borland
Marlea Sprandle
Faculty Mentors: Michael Holmstrup and Brock Jensen
Exercise and Rehabilitative Sciences
“The Effects of Isometric Handgrip Exercise and Arterial Occlusion on the Inter-Arm Systolic Blood Pressure”
Jan. 23, 2018 to May 4, 2018
$500

*Awarded
Summer Undergraduate Research Experience Grants 2017-18

The Summer Undergraduate Research Experience (SURE) grant is a program designed to introduce undergraduate students to the world of academic research. The program requires that each proposal be prepared as a joint effort between the faculty member and a qualified undergraduate student, and that the proposal describes a research project that will engage the student in research skills and techniques of that discipline. The following proposals were submitted in response to the Request for Proposals.

Christina DeAngelis*
Faculty Mentor: Yvonne Eaton-Stull
Public Health and Social Work
“A Comparison of DBT Skills Training Groups with and without Animal-Assistance”
May 14, 2018 to Aug. 24, 2018
$468

Lauren Denny*
Faculty Mentor: Sara Tours
Elementary Education/Early Childhood
“iPad Phonemic Awareness Coaching for Pre School Teachers”
June 4, 2018 to Aug. 24, 2018
$780

Alessander Gessinger*
Faculty Mentor: Nitin Sukhija
Computer Science
“Application-Specific Benchmarking for Big Data Analytics”
May 17, 2018 to Aug. 7, 2018
$780

Austin McClinton*
Faculty Mentor: Istvan Kovacs
Physical and Health Education
“The Effects on Muscular Endurance vs. Power Training for Upper Body Strength of College-Aged Students”
May 14, 2018 to June 30, 2018
$780

Jacob Palmer*
Faculty Mentor: Thaddeus Boron
Chemistry
“Depositing Metallacrowns onto Surfaces for Single-Molecule Magnet Applications”
May 16, 2018 to Aug. 24, 2018
$780

Shannon Rose*
Faculty Mentor: George Lengyel
Chemistry
“Synthesis and Hydrolysis of Complex Dialkylated Amino Acids”
June 1, 2018 to Aug. 1, 2018
$780
Summer Undergraduate Research Experience Grants 2017-18
(continued)

Nicholas Russo*
Faculty Mentor: Tamra Schiappa
Geography, Geology and the Environment
“The Geology of Pittsburgh and the Surrounding Areas:
Carnegie Museum of National History Interactive GIS Map”
May 14, 2018 to Aug. 24, 2018
$780

Alexander Smith*
Faculty Mentor: Qi Chen
Chemistry
“Design, Synthesis and Drug Mechanism Study of Antiviral
Agents”
June 6, 2018 to July 1, 2018
$780

*Awarded
Norton Undergraduate Research Scholarship 2017-18

The Norton Undergraduate Research Scholarship is a scholarship program designed to assist undergraduate students in their pursuit of academic research or creative activity. This scholarship program is intended to enhance quality mentoring relationships between faculty and students who work collaboratively to answer questions, solve problems and provide learning opportunities to the highest caliber. Research conducted by Norton Scholars with faculty mentors should contribute in meaningful ways to the knowledge base of a given discipline and support the strategic initiatives of the University.

Dominque Moye*
Faculty Mentor: Wayne Forbes
Biology
“The Effect of Eryngial on Neosporum Caninum in vitro”
Jan. 1, 2018 to June 1, 2018
$500

*Awarded
Go Rock!!!
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