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| *FY2019 Pending Grant Proposals to Date: (August 2018)*Submitted and awaiting decision on award.Total current pending proposals to date: $484,065 |
| **USDA Agriculture and Food Research Initiative Competitive Grants Program, $484,065 for 4 years: June 1, 2019 – May 31, 2023 / *Spatiotemporal Monitoring of Honey Bee Colony Temperature to Determine Colony Health and Advance Understanding of Colony Temperature Regulation***Proposal requests funding to support research, led by Dr. Jeff Groff, Associate Professor of Physics and Chair of the Institute of Environmental and Physical Sciences, to develop instrumentation that will wirelessly monitor three-dimensional temperature variations within honey bee hives, enabling close monitoring and greater understanding of bee colony behavior and health. This perspective could ultimately aid in predicting circumstances threatening bee colony collapse, allowing for corrective interventions that could significantly improve success in pollinator management. |
| *FY2019 Awarded Grant Proposals to Date: (August 2018)*Total awarded proposals to date for FY2018-2019: $1,202,931 |
| **University of Oslo Collaboration Grant, $35,000 for 3 years: June 1, 2018 – May 31, 2021 / *The Role of Small RNAs in Genomic Imprinting and Hybrid Barriers***Shepherd entered into a collaborative research project with the University of Oslo that provides support for Jason Miller, Visiting Professor of Computer and Information Sciences, and students to perform bioinformatics analyses to critical to the research. |
| **WV University Research Corporation Subcontract from TaiRx, Inc., $5,760 for 1 year: July 1, 2018 – June 30, 2019 / *Evaluation of Humanized 3D1 Anti-Nodal Antibodies***Funding supports direct costs related to Dr. Hendrix’s role as Co-PI on this project, including proposal research and experiment design and interpretation. |
| **WV Bureau of Senior Services, $2,500 for 1 year: July 1, 2018 – June 30, 2019 / *Aging Well Workshop at Shepherd University***Funding supports program costs for the 2018 Aging Well Workshop led by Heidi Dobish, Associate Professor of Psychology. |
| **EBSCO Solar Grant, $100,000 for June 2018 / *Scarborough Library Solar Project: Advancing Sustainability on Campus and in Our Community***Proposal seeks one of three $100,000 awards offered to libraries with EBSCO subscriptions. Awards support acquisition and installation costs for solar systems that will offset utility costs and enhance educational opportunities for libraries selected for an award. Project Directors: Rachel Hally, Coordinator of Collections, Scarborough Library and Jeff Groff, Ph.D., Associate Professor of Physics and Chair, Institute of Environmental and Physical Sciences |
| **National Institute of Standards and Technology (NIST) $8,695 for One Fellowship: Summer 2018, May 21, 2018 – August 10, 2018 / *Summer Undergraduate Research Fellowship (SURF)***One fellowship was awarded to Christian Burns, an undergraduate student in the College of Natural Sciences and Mathematics to assist with research in a NIST laboratory at the Gaithersburg campus. Fellowships provide housing and a $5,500 stipend for 11 weeks during the summer while selected participants from across the nation work closely with NIST mentors on research projects. |

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| **USDA Natural Resource Conservation Service (NRCS) Conservation Technical Assistance Program,****$300,000 for 5 years: May 1, 2018 – April 30, 2023 / *Veterans to Agriculture Program at Shepherd***Proposal requests funding for equipment, supplies and salary support to launch an agricultural training program at Tabler Farm. Training programs in development include courses in agricultural sciences and techniques as well as marketing and business management courses to complement existing degree programs and potentially create certification programs. Programs will target veterans in the region in need of retraining opportunities, but will be available to the general public as well as existing and potential Shepherd students. Project Director: Peter Vila, Ph.D., Associate Professor, Institute of Environmental and Physical Sciences |
| **National Science Foundation (NSF) WV EPSCOR Instrumentation Grants Program, 2 Proposals Submitted, $40,000 total requested for February 2018 / *Vacuum Arc Melting Furnace for Teaching and Research Applications at Shepherd University* and *Multi-Spectral Sensing Unmanned Aerial Vehicle for Environmental Monitoring***Proposals request funding to purchase instruments that will enhance teaching and research in the departments of Computer Science, Mathematics and Engineering (Proposal 1, Assistant Professor Mohammadreza Ghahremani, PI) and Environmental and Physical Sciences (Proposal 2, Assistant Professor Sytil Murphy, PI). The vacuum arc melting furnace supports nanotechnology coursework and research and the unmanned aerial vehicle supports coursework and research in environmental geomatics and geographic information systems. |
| **U.S. Department of Agriculture (USDA), $168,685 for 1 year: October 1, 2017 – September 30, 2018 /*****Supplemental Nutrition Assistance Program – Education (SNAP-Ed) at Shepherd University***Awarded funds support outreach activities in designated regional schools to teach students about nutrition and healthy food choices. Lead Project Director: Julia Tracy, Adjunct Instructor, Health, Physical Education and Recreational Studies |
| **WV Idea Network of Biomedical Research Excellence (WV-INBRE), $288,000 for 2 years: August 1, 2017 – July 30, 2019 / *Effects of an Anti-Nodal Antibody in Metastatic Melanoma by Modeling and Simulation***Funding supports continuing research to develop a mathematical model to help predict and enhance understanding of how a certain gene influences metastatic melanoma tumor growth and response to chemotherapy. Lead Principal Investigator: Qing Wang, Ph.D., Associate Professor, Computer Science Mathematics and Engineering (CME) |
| **WV Idea Network of Biomedical Research Excellence (WV-INBRE) $28,369 for 1 year: August 1, 2017 – July 31, 2018 / *Distributed File System B-Trees for Large-Scale Genomics Research***Funding supports the development of new computer algorithms and software that will enable efficient use of large bioinformatics and medical datasets. Research will support major discoveries in medical research that rely on dataset analysis including genome-wide association studies. Lead Principal Investigator: Ralph Wojtowicz, Ph.D., Associate Professor, CME |
| **NASA WV EPSCoR Research Seed Grant, $10,000 for 1 year: May 16, 2018 – May 15, 2019 / *Cooling System for Aerospace Applications and Detectors***Funding provides support for research investigating properties of nanoparticle magnetic materials for potential use in cryogenic refrigerators for specialized use in aerospace applications. Principal Investigator, Mohammadreza Ghahremani, Ph.D., Assistant Professor, Computer Information Systems |

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| **National Endowment for the Humanities (NEH): $151,773 for one year: October 1, 2017 – December****31, 2018 / *2018 NEH Summer Institute for School Teachers: Voices from the Misty Mountains***Funding supports the annual NEH-sponsored Institute providing lectures, workshops, events and regional travel for 25 teachers selected from a pool of applicants from across the nation. The three-week program, hosted at Shepherd, delves into the diversity and richness of Appalachian literature and culture. Lead Project Director: Sylvia Shurbutt, Ph.D., Professor, English and Modern Languages |
| **National Park Service (NPS), C&O Canal National Historical Park Historic Structures Report,****$56,749 for 1 year: August 1, 2018 – July 31, 2019 / *Documenting the History of the African American Experience at Ferry Hill, The Blackford House and the Bridgeport Community***Shepherd recently became a member of the Chesapeake Watershed Association (CHWA) regional segment of a Cooperative Ecosystem Studies Unit (CESU) under the NPS, which made Shepherd eligible for this opportunity that was only available to CESU members. Funding provides support for Shepherd faculty and students to conduct research leading to a historic structures report and a historic resource study focused on African American History as it relates to Ferry Hill. Principal Investigator, James Broomall, Ph.D., Assistant Professor of History and Director of the Civil War Center, Co-PIs Keith Alexander, Associate Professor of History and Benjamin Bankhurst, Ph.D., Assistant Professor of History |
| **Eastern WV Community Foundation Helen Parker Willard Jefferson County Historic Cemetery Grant, $4,400 to be utilized between March 10, 2018 -December 1, 2018 / *Historic Cemetery Preservation and Service Learning***Funding supports supplies and equipment enabling expansion of cemetery preservation and documentation activities that are central to the service-learning aspect of Shepherd’s Historic Preservation concentration offered by the Department of History. Project Director, Keith Alexander, Associate Professor of History |
| **Jefferson County Historical Society Community Grant Program, $3,000 to be utilized between April 1, 2018 - December 31, 2018 / *Window Restoration for the Weltzheimer House***Funding supports continuing work and associated educational opportunities focused on the restoration and preservation of Shepherd’s Weltzheimer House. Project Director, Keith Alexander, Associate Professor of History |