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| *FY2018 Awarded Grant Proposals to Date: (June 2018)* Total awarded proposals to date for FY2017-2018: $2,347,171  |
| **National Institute of Standards and Technology (NIST) *Summer Undergraduate Research Fellowship (SURF)* $8,695 for 1 Fellowship: Summer 2018, May 21, 2018 – August 10, 2018**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 eleven weeks during the summer while selected participants from across the nation work closely with NIST mentors on research projects in their field of interest. |
| **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 |
| **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 University***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 |

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| **National Science Foundation (NSF) West Virginia 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 (GIS). |
| **West Virginia 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 and Mathematics |
| **West Virginia 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 massive dataset analysis including genome-wide association studies. Lead Principal Investigator: Ralph Wojtowicz, Ph.D., Associate Professor, Computer Science, Mathematics and Engineering |
| **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 |
| **DOE, $1,287,500 for 5 years: September 1, 2017 – August 31, 2022*****Shepherd University Application for the 2017 TRiO Upward Bound Program***Awarded funds expand efforts by the existing federally-funded TRiO Student Support Services staff to create a pipeline to Shepherd for high school students in the region through a summer residential program on campus and weekend programs throughout the academic year. Nationally, Upward Bound programs demonstrate success in creating a path to college attendance for first-generation college students, and typically more than half of Upward Bound participants wind up enrolling at their host campus after graduating from high school. This proposed program extends the purview of TRiO staff from just retention efforts to outreach and recruitment of future Shepherd students. Lead Project Director: Cynthia Copney, M.A., Director, TRiO Student Support Services |

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| **NASA West Virginia 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 |
| **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 West Virginia 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 |