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| *FY2017 Pending Grant Proposals to Date: September 2017*Submitted and awaiting decision on award. Total current pending proposals to date for FY2017-2018: $1,355,697  |
| **National Science Foundation (NSF) CAREER, $596,179: March 1, 2018 – February 28, 2023*****Customizing Magnetic and Magnetocaloric Properties of Nanoparticles for Magnetic Refrigeration***Proposal seeks funding for research supplies, equipment, and salary support for a faculty member to pursue research into magnetic and magnetocaloric properties of nanoparticles and how they may be synthesized to make magnetic refrigeration technology widely available and both scientifically and commercially applicable. Lead Principal Investigator: Mohammad Ghahremani, Ph.D., Assistant Professor, Computer and Information Sciences |
| **National Institutes of Health (NIH) R15, $459,518: April 1, 2018 – March 31, 2020*****A Computational Study of Synergistic Therapeutic Benefit of Combinatorial Cancer Therapies***Proposal requests funding to support research to develop mathematical modeling and computational tools to optimize therapeutic dosage and timing for certain combined treatments for cancer aimed at reducing tumor growth. Principal Investigator: Qing Wang, Ph.D., Associate Professor, Computer Science and Mathematics |
| **USDA Natural Resource Conservation Service (NRCS) Conservation Technical Assistance Program,****$300,000 for 5 years: October 1, 2017 – September 30, 2022*****Veterans to Agriculture Program at Tabler Farm***Proposal requests funding for equipment, supplies and salary support to launch an agricultural training program at Tabler. 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: Clarissa Mathews, Associate Professor and Department Chair, Environmental Sciences Institute |
| *FY2017 Awarded Grant Proposals to Date: September 2017* Total awarded proposals to date for FY2017-2018: $2,008,297  |
| **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 the 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 |

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| **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 |
| **Department of Education (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 enroll at their host campus after graduating from high school. Year after year, Shepherd’s TRiO staff have worked with the Shepherd student population most likely to drop out, fail courses and/or delay graduation and made them one of the most successful cohorts of Shepherd students through intensive engagement, mentoring, academic counseling and support. TRiO students succeed in “gateway” courses, STEM courses, achieve 3.0 and above GPAs and persist to graduation in five years or less, well above Shepherd averages. 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 |
| **American Cancer Society Tobacco-Free Generation Campus Initiative (TFGCI): $15,000 for August 1, 2017 – July 31, 2018*****Take STOC: Smoking and Tobacco off Campus***Funding supports the launch of a smoke-free campus initiative at Shepherd, supporting surveys, smoking cessation education, communications and promotional campaigns and project incentives and prizes. Lead Project Director: Chris Palank, Nurse Practitioner, Student Health Center |
| **West Virginia Higher Education Policy Commission: $10,000 for 1 year, July 1, 2017 – June 30, 2018*****2018 Diversity for Equity at Shepherd***Funding supports events and social justice initiatives coordinated by the Office of Multicultural Student Affairs to build cultural and identity awareness, cultivate appreciation for others, celebrate differences and build a community of acceptance for all individuals at Shepherd. Lead Project Director: Dr.Thomas Segar, Vice President of Student Affairs |
| **Mid-Atlantic Arts Foundation (MAAF) Mid-Atlantic Tours Grant Program, $6,240: October 12, 2017 – November 11, 2017*****Presentation of BalletX 2017 at Shepherd***Funding supports the November 11, 2017 presentation of BalletX at Shepherd. Project Director: Rachael Meads, Assistant Director, Shepherd Student Center |

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| **Eastern West Virginia Community Foundation Frada Fine Grant Program, $1,500: October 2017*****Seeding Your Future Conference, STEM Event for 5th to 8th Grade Girls***Funding supports the purchase of supplies for the 3rd Annual Seeding Your Future Conference hosted at Shepherd as designed and run by faculty in the School of Natural Sciences and Mathematics. The conference aims to inspire and engage fifth to eighth grade girls through hands-on STEM activities and mentorship/role-model experiences with some of Shepherd’s female STEM faculty and students. Since its inception in 2014, the conference has served more than 300 middle-school girls in our region. Lead Project Director: Jordan Mader, Ph.D., Assistant Professor, Chemistry |
| **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 another annual NEH-sponsored Institute that will provide 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. In a March 9, 2017, a New York Times article discussing the value of the NEH in the context of its proposed elimination in the Federal budget, the author cites the summer seminars for teachers, specifically calling out the program focused on Appalachian Studies. This is a reference to our program, as is the only one of its kind. Lead Project Director: Sylvia Shurbutt, Ph.D., Professor, English and Modern Languages |
| **West Virginia Humanities Council, $4,705: Supports October 2017 Event (Submitted by Shepherd Foundation, assisted by Office of Sponsored Programs)*****Humanities and the Environment, 2017 Collaborative Symposium***Funding supports a collaborative symposium to be hosted by the National Conservation Training Center and coordinated by faculty, staff and supporters of Shepherd. The Symposium brings prominent scholars, authors and filmmakers together on October 26 and 27 to discuss ways the humanities contribute to a greater environmental awareness and activism. Shepherd anticipates that the timeliness of the topic and prominence of the speakers will generate national attention and interest, making this a headline event for the year. The Symposium will be free and open to the public. Lead Project Director: Julia Sandy, Ph.D., Associate Professor, History |
| **NASA WV Space Grant Consortium Extension and Public Outreach Program, $1,500: June 2017 – June 2018*****Seeding Your Future Conference and Workshop Series***Funding supports both the Seeding your Future Conference for middle-school girls (in October 2017) and the Seeding Your Future Workshop series (taking place throughout the year) for male and female students from grades 8-12. The Seeding Your Future Initiative aims at engaging and inspiring students to pursue degrees. |
| **United States Department of Agriculture (USDA), $213,710 for 1 year: October 1, 2016 – September 30, 2017*****Supplemental Nutrition Assistance Program – Education (SNAP-Ed) at Shepherd***Awarded funds support outreach activities in designated regional schools to teach students about nutrition and healthy food choices. |