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| *FY2018 Pending Grant Proposals to Date: (November 2017)*Submitted and awaiting decision on award. Total current pending proposals to date: $1,395,697  |
| **National Science Foundation (NSF) West Virginia EPSCOR Instrumentation Grants Program Two Proposals Submitted, $40,000 total requested for February 2018*****Vacuum Arc Melting Furnace for Teaching and Research Applications at Shepherd 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). |
| **NSF CAREER, $596,179 for 5 years: March 1, 2018 – February 28, 2023*****Customizing Magnetic and Magnetocaloric Properties of Nanoparticles for Magnetic Refrigeration***Proposal requests funds 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: Mohammadreza Ghahremani, Ph.D., Assistant Professor, Computer and Information Sciences |
| **National Institutes of Health (NIH) R15, $459,518 for 2 years: April 1, 2018 – March 31, 2020*****A Computational Study of Synergistic Therapeutic Benefit of Combinatorial Cancer Therapies Involving 4-1BB and IL-12***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 |
| **United States Department of Agriculture (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 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 as well as 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 |

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| *FY2018 Awarded Grant Proposals to Date: (November 2017)* Total awarded proposals to date for FY2017-2018: $1,963,272  |
| **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 |
| **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 genes influence metastatic melanoma tumor growth and response to chemotherapy. Lead Principal Investigator: Qing Wang, Ph.D., Associate Professor, Computer Science and Mathematics |
| **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 upon graduating from high school. The proposed program extends the purview of TRiO staff from 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, project incentives and prizes. Lead Project Director: Chris Palank, Nurse Practitioner, Student Health Center |

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| **West Virginia HEPC: $10,000 for 1 year, July 1, 2017 – June 30, 2018*****2018 Diversity for Equity at Shepherd University***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 for Student Affairs |
| **Mid-Atlantic Arts Foundation (MAAF) Mid-Atlantic Tours Grant Program: $6,240 for October 12, 2017 – November 11, 2017*****Presentation of BalletX 2017 at Shepherd Universit***yFunds support the November 11, 2017 presentation of BalletX at Shepherd. Project Director: Rachael Meads, Assistant Director, Shepherd University Student Center |
| **Eastern West Virginia Community Foundation Frada Fine Grant Program: $1,500 for October 2017*****Seeding Your Future Conference, STEM Event for 5th to 8th Grade Girls***Funding supports the purchase of supplies for the third annual Seeding Your Future Conference hosted at Shepherd University and designed and run by faculty in the School of Natural Sciences and Mathematics. The conference aims to inspire and engage 5th to 8th 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 1 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 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 |
| **West Virginia Humanities Council, $4,705: Supports October 2017 Event****(Submitted by Shepherd University Foundation, assisted by Office of Sponsored Programs)*****Humanities and the Environment, 2017 Collaborative Symposium***Funds supported a collaborative symposium hosted by the National Conservation Training Center and coordinated by faculty, staff and supporters of Shepherd. The symposium brought prominent scholars, authors and filmmakers together for two and a half days to discuss ways the humanities contribute to a greater environmental awareness and activism. Lead Project Director: Julia Sandy, Ph.D., Associate Professor, History |
| **NASA West Virginia Space Grant Consortium Extension and Public Outreach Program, $1,500: June 2017 – June 2018*****Seeding Your Future Conference and Workshop Series***Funds support both the Seeding your Future Conference for middle-school girls (October 2017) and the Seeding Your Future Workshop series (throughout the year) for male and female students from grades 8th to 12th. The Seeding Your Future Initiative aims to engage and inspire students to pursue degrees and careers in STEM fields. Lead Project Director: Sytil Murphy, Ph.D., Assistant Professor, Physics |