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| *FY2018 Pending Grant Proposals to Date: (March 2018)*  Submitted and awaiting decision on award.  Total current pending proposals to date: $938,354 |
| **Mid-Atlantic Arts Foundation (MAAF) *ArtsCONNECT*, $4,200 for March 2019**  Requested funding supports travel and expenses to bring the Danny Green Trio with Strings to Shepherd for a Music Entrepreneurship Workshop and Jazz Improvisation Workshop as well as a jazz concert in March 2019. Lead Project Director: Kurtis Adams, Associate Professor of Music. |
| **National Endowment for the Humanities (NEH) *Summer Institutes for Teachers*, $154,636 for October**  **1, 2018 – December 31, 2019**  Proposal requests support for another annual NEH-sponsored summer 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, engages nationally-prominent authors, artists and humanities scholars to delve into the diversity and richness of Appalachian literature and culture, emphasizing the power of the authentic Appalachian voice for 2019. Lead Project Director: Sylvia Shurbutt, Ph.D., Professor, English and Modern Languages. |
| **NASA WV EPSCoR *Research Seed Grant Program* $20,000 for 2 proposals, Academic Year 2018-2019**  Proposals request salary support for faculty research. Proposal I: The Domestic Horse as a Model of the Adaptive Genomic Effects of Extreme Physiological Conditions was submitted by Professor Sher Hendrickson, Department of Biology, requesting $10,000 of salary support for summer 2018, Fall 2018 and spring 2019 to conduct genomics research. Proposal II: Cooling Systems for Aerospace Application and Detectors was submitted by Professor Mohammadreza Ghahremani, Department of Computer Science, Mathematics and Engineering, requesting $10,000 of salary support for summer 2018, Fall 2018 and spring 2019 to conduct research on nanomaterials for magnetic refrigeration applications. |
| **National Institute of Standards and Technology (NIST) *Summer Undergraduate Research Fellowship***  **(SURF) $47,500 for 5 Fellowships: Summer 2018, May 21, 2018 – August 10, 2018**  Proposal nominates five undergraduate students in the College of Natural Sciences and Mathematics for summer fellowships in NIST laboratories at the Gaithersburg campus. Fellowships provide housing and a $5,500 stipend for 11 weeks during the summer while selected participants work closely with NIST mentors on research projects in their field of interest. |
| **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. |
| **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, Associate Professor, Institute of Environmental and Physical Sciences. |
| *FY2018 Awarded Grant Proposals to Date: (March 2018)*  Total awarded proposals to date for FY2017-2018: $1,989,327 |
| **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 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 I, Assistant Professor Mohammadreza Ghahremani, PI) and Environmental and Physical Sciences (Proposal II, 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). |
| **United States Department of Agriculture (USDA), $168,685 for 1 year: October 1, 2017 – September 30, 2018 *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. 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 and Mathematics. |
| **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 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 *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. |
| **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. |
| **HEPC Commission: $10,000 for 1 year, July 1, 2017 – June 30, 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. |
| **National Endowment for the Humanities (NEH): $151,773 for 1 year: October 1, 2017 – December 31, 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. |