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| PRESIDENT’S REPORT |
| *FY2020 Pending Grant Proposals to Date: March 2020*Submitted and awaiting decision on award. Total current pending proposals to date: $ 4,236,795 |
| **Bureau of Land Management, Cultural and Paleontological Resource Management Program: $398,391 for 5 years: July 1, 2020 – June 30, 2025*****Shepherd University Cultural Heritage Applied Learning Program***Requested funding would provide salary support, supplies and materials to develop an applied learning archeology and resource management program at Shepherd that would include collaborative internships with the National Park Service, the Bureau of Land Management, archeological field schools at Shepherd and sites around the region, as well as community outreach and educational events in partnership with the National Park Service and the Bureau of Land Management. The project will be led by Dr. David Hixson, Adjunct Professor in the Department of Sociology and Geography. |
| **DOE Student Support Services Program, $1,265,160 for 5 years ($253,032/year): September 1, 2020 – August 31, 2025** ***Shepherd University’s TRiO Student Support Services Program Note: Grant period is five (5) years, but directions explicitly required one (1) year budget only - $253,032***Awarded funds support staff salaries and programmatic offerings for Shepherd students who meet criteria for need. The program offers mentoring, academic counseling and tutoring services for participating students, increasing student persistence and success in college. Lead Project Director: Cynthia Copney, Director of Trio Programs. |
| **EPA Environmental Educational Grant Program, $133,467 for 2 years: August 1, 2020 - July 31, 2022*****Stimulating environmental stewardship through beekeeping and honey-bee habitat restoration and conservation***Proposal to hold one-day workshops at Shepherd's main campus and Tabler Farm on beekeeping, honey-bee biology, honey-bee environmental ecology, and the importance of pollinators to agriculture. The workshops will target community groups including K-12 students, university students, and veterans. Each group selected to participate will also receive a $2,500 sub-award to establish honey-bee colonies in their home community and to engage in a community environmental stewardship project to restore or conserve habitat beneficial to honey bees and other pollinators. Lead Project Director: Dr. Jeff Groff, Associate Professor of Physics, and Chair, Department of Environmental and Physical Sciences. |
| **NSF Scholarships in Science, Technology, Engineering and Mathematics Program (S-STEM), $999,988 for 5 years: October 1, 2020 – September 30, 2025*Advancing Academic Success and Career Development for Computer Science, Mathematics and Engineering Majors***Funding would provide financial, academic, social, and career support to a diverse cohort of 36 academically talented students with demonstrated financial need throughout their undergraduate career (85 scholarships over five years). The project will be led by Qing Wang. CO- PI's: Emily Gross, Director of the Academic Support Center, Reza Mirdamadi, CME Department Chair and Associate Professor of Engineering, Weidong Liao, Professor of Computer Science and Information Sciences. Evaluations will be performed by Amy DeWitt, Associate Professor of Sociology. |
| **NEA ArtWORKS Program: $19,600 for 1 year: July 1, 2020 – October 31, 2020*The Danske Dandridge Literary Festival*** Requested funding would support travel and promotional expenses to bring prominent authors to Shepherd in October 2020, to lead workshops and readings during the planned 2020 Danske Dandridge Literary Festival. Project will be led by Dr. Hope Snyder, Poet in Residence for Shepherd and Director of the Society for Creative Writing. |
| **National Institutes of Health (NIH) R15 Program: $468,946 for 2 years: January 1, 2020 – December 31, 2021*An in Silico Screening Approach to Optimize Combining Radiotherapy with Immune Checkpoint Blockade***Requested funding would support salary for faculty, student researchers, travel, equipment and supplies for research to improve the clinical benefit of combined radiation therapy and immune checkpoint blockade for cancer by screening treatments modeled in silico that combine multiple cancer therapies using a multidisciplinary interface involving biology, mathematics, and computer science. The project will be led by Dr. Qing Wang, Professor of Computer Science and Mathematics. |
| **National Science Foundation $100,000 for 1 year: June 1, 2020 - May 31, 2021** ***Shepherd University Cyberinstrastructure and Regional Connectivity Planning***This planning grant will work to identify and develop the most cost effective way to connect our campus to Internet2 national backbone. ​ ​While CAAREN Points Of Presence (POPs) are the closest to us and most strategically located, we plan to explore other options and potential connectors as well. These will include WVNet, operated by WVU, MAX, operated by the University of Maryland at College Park, and MARIA operated by Virginia Polytechnic Institute. Lead Project Director: Mr. Jason Miller, Assistant Professor of Computer Science. |
| **NSF EPSCoR Track 1 Collaborative Technology Research Program $817,768 for 5 years: June 1, 2020 – May 31, 2025*Collaboratory for Transformative Conversion of Natural Gas***Requested funding would support salary, travel, supplies and instrumentation purchases for faculty and student researchers to pursue a collaborative research project in cooperation with WVU, Marshall University and WVU Institute of Technology. The Shepherd project component would be led by Dr. Mengyang Li, Associate Professor of Chemistry, and Dr. Mohammadreza Ghahremani, Assistant Professor of Computer Science and Mathematics. |
| **NASA West Virginia Space Grant Consortium Extension and Public Outreach Program (EPO) $8,475 for 1 year. May 1,2020 – April 31, 2021** ***Seeding Your Future Conference (SYFC)***Funds would support Shepherd University's seventh annual, one-day conference aimed at encouraging and maintaining interest in STEM education and careers for regional middle-school girls. Lead Project Director: Dr. Sytil Murphy, Associate Professor of Physics. |
| **WV HEPC - West Virginia Higher Education Policy Commission Division of Health Sciences $25,000 for 1 year. May 9th, 2020 - December 31st, 2020.** ***Psychology Lab Construction Phase III***Funds are for construction of two new electrically and acoustically shielded rooms in the recently renovated space in White Hall. Project Director: Dr. Chris Lovelace, Associate Professor and Chair for the Department of Psychology |

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| *FY2020 Awarded Grant Proposals to Date: March 2020*Total FY2020 projected grant revenue: $2,020,158 (Note: unlikely to realize due to HRSA slow start.) |
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| **Carlson Family Foundation, $10,000 for 1 year; December 2019 – December 2020*****Shepherd Success Academy***Awarded funds enable the SSA to provide students with scholarships to purchase needed materials such as books, online resources, laptops, or tablets to use in their classes. Lead Principal Investigator: Holly Morgan Frye |
| **Claude Worthington Benedum Foundation Grant, $78,000 for 1+ year: January 2020 – June 2021**Awarded funds enable expansion to the SSA. The Academy will hire an additional full-time Success Coach, an additional graduate student, double the number of students served, and implement a peer mentor program, purchase tablets and laptops to assist Academy students, and partner with local high schools by sharing resources and assisting with college preparation. The peer mentor program will consist of five former members of the Academy; each will be paid a stipend. Lead Principal Investigator: Holly Morgan Frye, Interim Vice President for Student Affairs. |
| **DOE Student Support Services Program, $921,001 for 5 years: September 1, 2015 – August 31, 2020; (End Date Extended) FY2020: $253,032*****Shepherd University’s TRiO Student Support Services Program***Awarded funds support staff salaries and programmatic offerings for Shepherd students who meet criteria for need. The program offers mentoring, academic counseling and tutoring services for participating students, increasing student persistence and success in college. Lead Project Director: Cynthia Copney, M.A. |
| **DOE Upward Bound Program, $1,287,500 for 5 years: September 1, 2017 – August 31, 2022; FY2020: $287,537 *Shepherd University’s 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. 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. |
| **HRSA Advanced Nursing Education Workforce (ANEW) Program, $2,697,023 for 4 years: July 1, 2019 – June 30, 2023; FY2020: $698,753*****Innovative Modalities for Rural Nurse Practitioner Education and Collaboration to Transcend Health Disparities (IMPACT) Program***Provides funding to support 15 scholarships and stipends (totaling $20,000 per student) per year for Doctor of Nursing Practice students, salary support for participating faculty, travel support and equipment purchases, enabling Shepherd to establish clinical training partnerships in the region that will provide longitudinal experiences delivering care to rural and underserved patient populations. The project includes experiential training delivering alternative pain management through photobiomodulation (PBM) and delivering/expanding patient care access via cutting-edge telemedicine modalities. PI: Dr. Kelly Watson Huffer, Asst. Professor in the Dept. of Nursing Education.  |
| **NASA West Virginia Space Grant Consortium: Three grants awarded totaling $26,977 for 1 year: May 1, 2019 – April 30, 2020**Two proposals were awarded from NASA West Virginia Space Grant Consortium providing funding to support: (1) Course Development funding to support the development of a Genomics and Bioinformatics Lecture and Laboratory course led by Professor Sher Hendrickson ($4,977); (2) Education and Public Outreach funding to support the Seeding Your Future annual conference hosted at Shepherd to engage and inspire middle school girls to pursue studies in the College of Science, Technology, Engineering, and Mathematics (STEM), led by Professor Sytil Murphy ($5,000); and (3) Faculty Research Enhancement Awards and Undergraduate Scholarships ($17,000). |
| **National Science Foundation EPSCoR Research Infrastructure Improvement Program Track-1: Gravitational Wave Astronomy and the Appalachian Freshwater Initiative, $20,189 for 1 year: August 1, 2019 – July 31, 2020*****Shepherd Opportunity to Attract Research Students (SOARS)***Funding provides salary and travel support for students and faculty working as part of a newly established research consortium (housed across numerous institutions) in the strategic area of gravitational wave detection. Research on gravitational wave detection, and outreach efforts emerging from this research, make use of the Robert C. Byrd Green Bank Telescope in Green Bank, WV. The Shepherd portion of the collaboration is led by Dr. Jason Best, Professor of Astronomy and Astrophysics and Director of Strategic Research Initiatives. |
| **NIH WV-INBRE One-Year Transitional Award, $72,500: August 1, 2019 – July 31, 2020*Improving Cancer Management Involving Targeted Radiotherapy via Modeling and Simulation***Awarded funds support salary, travel and the purchase of supplies to support faculty and student researchers conducting research that seeks to utilize the development of equations to model and predict tumor growth under the dynamics of combination therapy. The project will be led by Dr. Qing Wang, Professor of Mathematics. |
| **NSF EPSCoR Summer Undergraduate Research Experience (SURE): $129,180 for 3 years: February 1, 2020 – January 31, 2023;** **FY2020: 43,060*****Shepherd Opportunity to Attract Research Students IV (SOARS IV)***Requested funding would support stipends for 10 students to participate in research projects over the summer of each project year. If awarded, this would be the third SURE project at Shepherd, building on remarkable previous success. This project will be led by Dr. Robert Warburton, Dean, College of Science, Technology, Engineering and Mathematics. |
| **Title IV-E Human Services Grant, $340,157 for 1 year: July 1, 2019 – June 30, 2020**Awarded proposal renews funding for an existing subsidy for the Social Work program at Shepherd that trains future workers in the Foster Care and Adoption programs in West Virginia. Lead Principal Investigator: Dr. Geraldine Crawley-Woods. |
| **University of Oslo Collaboration, $35,000 for 3 years: June 1, 2018 – May 31, 2021; FY2020: $11,667** ***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 critical to the research. |
| **USFS Forest Restoration Project, $15,000 for 1+ year: September 1, 2019 – December 31, 2020*Monongahela National Forest Red Spruce Restoration Project***Funding for travel costs, supplies and materials for SU faculty and students to perform data collection using unmanned aerial vehicles (UAVs) in the Monongahela National Forest to inform USFS plans for red spruce restoration in the area. The project will be led by Dr. Sytil Murphy, Associate Professor, and Steven Shaffer, Lecturer, in the Institute of Environmental and Physical Sciences. |
| **USDA Natural Resource Conservation Service (NRCS) Conservation Technical Assistance Program, $300,000 for 5 years: May 1, 2018 – April 30, 2023; FY2020: $60,000*****Veterans to Agriculture Program at Shepherd*** Proposal requests funding for equipment, supplies and salary support to launch an agricultural training program at Tabler Farm (N/K/A Shepherd University Agricultural Center). 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: Dr. Peter Vila, Associate Professor, Institute of Environmental and Physical Sciences. |
| **West Virginia Building Resources in Diverse Geographic Environment (BRIDGE) Grants Program: $10,000 for one year: January 15, 2020 – December 31, 2020 *Voices from the Misty Mountains, Reclaiming Our Story for a New Appalachia: An Appalachian Institute for Community Leadership***Requested funding would support Shepherd faculty, Spring Mills High School administrators and teachers, and invited speakers to lead a 12-week seminar for Eastern Panhandle teachers and community leaders. The proposed program aims to train high school, middle school and elementary public school teachers and community leaders to become mentors and advocates for the diverse stories of the youth and children living in this unique region of the country. The project will be led by Dr. Sylvia Shurbutt, Director of the Center for Appalachian Studies and Communities. |
| **West Virginia Bureau of Senior Services, $2,500 for 1 year: July 1, 2019 – June 30, 2020*****Aging Well Workshop at Shepherd*** Funding supports program costs for the 2020 Aging Well Workshop led by Dr. Heidi Dobish, Associate Professor of Psychology. |
| **West Virginia Department of Education (DOE), $40,635 for 1 year: August 1, 2019 – July 31, 2020*Professional Development Schools***Funds will support programmatic expenses to back the partnership between Shepherd and Berkeley County Schools and would offer classroom training and mentorship for Shepherd students preparing to become K-12 teachers. The project will be led by Dr. Dori Hargrove, Assistant Professor of Education. |
| **West Virginia Department of Environmental Protection (WVDEP) REAP Grant, $17,306 for 1+ year: January 1, 2020 – February 28, 2021 *Glass Crusher Acquisition and Implementation*** Funds will allow purchase of GL Sand Glass Crusher. Purchase of GL Sleeve (Sand Sifter/Sorter) and the cost of shipping are also included. Device and accessories will allow facilities department to recycle post-consumer glass waste (bottles, etc.) into a safe-to-handle product (sand) with the possibility of achieving at least a 90% volume reduction of glass waste and providing useful material for construction and maintenance projects. The project will be led by Jim King, Director of Facilities Management. |
| **West Virginia Department of Natural Resources (WVDNR) Cooperative Agreement, $8,965 for 1+ year: August 1, 2019 – December 31, 2020 *Supporting Projects to Research, Protect and Enhance West Virginia’s Natural Resources*** Funding supports Shepherd faculty pursuing archeological projects in the region that support WVDNR initiatives and Shepherd’s research and educational objectives. The project is led by Dr. David Hixson, Adjunct Professor of Archeology. |
| **West Virginia HEPC - Higher Education Policy Commission $7,500 for 1 year: August 1, 2019 – July 31, 2020*Diversity for Equity Grant Program***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. This project is led by Holly Frye, interim VP for Student Affairs. |
| **WVU Research Corporation Subcontract from TaiRx, Inc., $16,380 : July 1, 2019 – December 31, 2019; Extended to March 31, 2020** ***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. |