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| *FY2021 Awarded Grant Proposals to Date: August 2020*  Total FY2021 projected grant revenue: $2,379,410 |
| **AIG Insurance via University of Pittsburgh, National Consortium for Teaching About Asia (NCTA): $4,650 for 1 year: September 1, 2019 – December 31, 2020**  Funding is to host a seminar focused on Asian Studies. Lead Project Director: Dr. David Gordon, Professor of History. |
| **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, Vice President for Student Affairs. |
| **Claude Worthington Benedum Foundation Grant, $78,000 for 1+ years: January 2020 – June 2021 *Shepherd Success Academy***  Awarded funds enable expansion to the SSA. The Academy will hire an additional fulltime 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, Vice President for Student Affairs. |
| **DOE - Department of Education, TRiO Student Support Services Program: $1,265,160 for 5 years: September 1, 2020 – August 31, 2025; FY2021: $261,888 *Shepherd University’s TRiO Student Support Services***  Funding is to 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 to support their good academic standing while increasing retention and graduation rates. Lead Project Director: Cynthia Copney M.A., Director of TRiO Programs. |
| **DOE - Department of Education, TRiO Upward Bound Program: $1,287,500 for 5 years: September 1, 2017 – August 31, 2022; FY2021: $305,276  *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., Director of TRiO Programs. |
| **Foundation for Photobiomodulation: $470,000 for 3 years: March 1, 2020 – February 28, 2023; FY2021: $180,000 *Shepherd University Center for Photobiomodulation Excellence in Nursing (CoPEN)***  Funding supports the creation of a photobiomodulation (PBM) education and training center in the School of Nursing. This project includes equipment purchases, hiring of faculty, appointing a director, and enlisting an instructional design team to develop online curriculum. PBM, the application of low-level lasers or light-emitting diodes to the surface of the body to improve tissue repair and reduce pain and inflammation, can be used as an alternative to opioids in treating some pain-causing medical conditions. Shepherd's associate professor of nursing, Dr. Kelly Watson Huffer, serves as co-director with Dr. Praveen Arany, assistant professor for the school of dental medicine at the University of Buffalo and president of World Association of Laser Therapy. |
| **HHOMA - The Herbert Henderson Office of Minority Affairs, West Virginia Building Resources in Diverse Geographic Environment (BRIDGE): $10,000 for 1 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***  Awarded funds 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 program trains 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. Lead Project Director: Dr. Sylvia Shurbutt, Director of the Center for Appalachian Studies and Communities. |
| **HHS - Department of Health and Human Services, Title IV-E Human Services Grant: $325,289 for 1 year: July 1, 2020 – June 30, 2021**  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. Craig Cline, Professor of Social Work. |
| **HRSA - Health Resources and Services Administration's Nursing Education, Practice, Quality, & Retention (NEPQR) Behavioral Health Integration Grant (sub-award through Valley Health), Project TRIUMPH (Train, Respect, Integrate, & Understand Mental Health for Public Health): $25,000 for 1 year: July 1, 2020 – June 30, 2021**  The purpose of Project TRIUMPH is two-fold: 1) to increase access to behavioral health, substance abuse, and suicide prevention services through three Valley Health primary care clinics and their community partners in the rural, underserved communities of Martinsburg and Hedgesville, West Virginia and 2) to develop the primary care practices as clinical education sites to train and prepare the future nursing and social work workforce in those communities through an academic-practice partnership with two Shepherd faculty: Dr. Kelly Watson-Huffer, Assistant Professor of Nursing Education and Dr. Karen Green, Department Chair, Associate Professor of Social Work and Director of Field Education. |
| **HRSA - Health Resources and Services Administration, Advanced Nursing Education Workforce Program (ANEW): $2,697,023 for 4 years: July 1, 2019 – June 30, 2023; FY2021: $679,109 *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, Assistant Professor in the School of Nursing. |
| **NASA - National Aeronautics and Space Administration's West Virginia Space Grant Consortium Extension and Public Outreach Program (EPO): Two grants totaling $20,700 for 1 year: May 1, 2020 – April 30, 2021**  (1) 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) ($3,700). Lead Project Director: Dr. Sytil Murphy, Associate Professor of Physics  (2) Faculty Research Enhancement Awards and Undergraduate Scholarships ($17,000). Lead Project Director: Reza Mirdamadi, Assistant Professor of Computer and Information Sciences. |
| **NEH - National Endowment for the Humanities, CARES Cultural Organizations Program: $110,000 for 6 months: July 1, 2020 – December 31, 2021 *Humanities Hub at Shepherd: Surviving the Coronavirus Crisis***  Funding is to increase instructional capacity and offer smaller class sizes in the Shepherd Humanities departments, as required to keep students and faculty safe throughout the Covid-19 health crisis, by providing emergency salary support for faculty in History, English, and Foreign Languages. Funding will also provide salary support to make additional on-line programming possible through the George Tyler Moore Center for the Study of the Civil War. Lead Project Director: Dr. Christy Wenger, Director of Academic Innovation Initiatives and Associate Professor of English. |
| **NPS - National Park Service: $56,749 for 3 + years: September 5, 2018 – December 31, 2021; FY2021: $28,375 *Historic Resource Study of the Blackford House, Ferry Hill and Bridgeport Community African American History***  Funding is to produce a Historic Resource Study of the Blackford House, Ferry Hill, and Bridgeport Community focused on African American History. Lead Project Director: Dr. Jim Broomall, Associate Professor of History and Director of the George Tyler Moore Civil War Center in collaboration with National Park Service staff. Co-PI's: Dr. Keith Alexander, Associate Professor of History, and Dr. Ben Bankhurst, Assistant Professor of History. |
| **NSF - National Science Foundation's Office of Advanced Cyberinfrastructure: $99,999 for 1 year: July 1, 2020 – June 30, 2021; FY2021: $99,999 *Shepherd University Cyberinfrastructure and Regional Connectivity Planning***  The goal of this planning grant is to identify and develop the most cost effective way to connect our campus to Internet2 national backbone. ​ ​Options to be explored include CAAREN Points Of Presence (POPs), WVNet, operated by WVU, MAX, operated by the University of Maryland at College Park, and MARIA operated by Virginia Polytechnic Institute. The enhanced connectivity would allow the University to expand its research and educational offerings in the STEM disciplines. The planning grant will also feature a collaboration with The George Washington University, operator of a Regional Optical Network covering the Washington DC area, and operator of a Point of Presence in proximity of Shepherd’s campus. Lead Project Director: Dr. Robert Warburton, Dean, College of Science, Technology, Engineering and Mathematics. Co-PI: Jason Miller, Asst. Professor of Computer Science. |
| **NSF - National Science Foundation's Established Program to Stimulate Competitive Research (EPSCoR) Summer Undergraduate Research Experience (SURE): $129,180 for 3 years: February 1, 2020 – December 31, 2023;** **FY2021: $43,060** ***Shepherd Opportunity to Attract Research Students IV (SOARS IV)***  Funding supports stipends for 10 students to participate in summer research projects. This project is the third SURE project at Shepherd, building on remarkable previous success. Lead Project Director: Dr. Robert Warburton, Dean, College of Science, Technology, Engineering and Mathematics. |
| **University of Oslo Collaboration: $35,000 for 3 years: June 1, 2018 – May 31, 2021; FY2021: $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. |
| **USDA - United States Department of Agriculture's Natural Resource Conservation Service (NRCS) Conservation Technical Assistance Program: $300,000 for 5 years: May 1, 2018 – April 30, 2023; FY2021: $60,000 *Veterans to Agriculture Program at Shepherd***  Funding provides equipment, supplies and salary support for agricultural training programs at Tabler Farm (Shepherd University Agricultural Center). Courses to be developed include agricultural science, technology, marketing and business management to complement existing degree programs and create new certifications. Program targets veterans in need of retraining opportunities, but will be available to the general public and Shepherd students. Project Director: Dr. Peter Vila, Associate Professor, Institute of Environmental and Physical Sciences. |
| **USFS - United States Forest Service: $15,000 for 1+ year: September 1, 2019 – December 31, 2020; FY2021: $15,000  *Monongahela National Forest Red Spruce Restoration Project***  Funding for travel costs, supplies and materials for Shepherd 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. Lead Project Director: Dr. Sytil Murphy, Associate Professor in the Institute of Environmental and Physical Sciences. |
| **WV DEP - West Virginia Department of Environmental Protection's Rehabilitation Environmental Action Plan (REAP): $17,306 for 1+ year: January 1, 2020 – February 28, 2021  *Glass Crusher Acquisition and Implementation***  Funding allowed purchase GL Sand Glass Crusher. Purchase of GL Sleeve (Sand Sifter/Sorter) and the cost of shipping were included. Device and accessories 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. Lead Project Director: Jim King, Director of Facilities Management. |
| **WV DOE - West Virginia Department of Education: $14,209 for 1 year: August 1, 2020 – July 31, 2021**  ***Professional Development Schools***  Funding is to 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. Lead Project Director: Dr. Dori Hargrove, Assistant Professor of Education. |
| **West Virginia Department of Natural Resources (WVDNR) Cooperative Agreement, $8,965 for 1+ years: 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 first project will be led by Dr. David Hixson, Adjunct Professor of Archeology. |
| **WV FRIS - West Virginia Foundation for Rape Information and Services: $3,000 for 1 year: July 1, 2020 – June 30, 2021**  Funding provides interpersonal violence intervention services and prevention programs for students. Lead Project Director: Annie Lewin, Director of Social Equity, Inclusion and Title IX. |
| **WVHC - West Virginia Humanities Council CARES Emergency Relief Grants: $10,000 for 6 months: July 1, 2020 – December 31, 2020** *Locked Down: An Oral History of the Corona Virus in West Virginia’s Eastern Panhandle*  Funds support collection of evidence about how the global pandemic shapes the lives of people in our local communities in order to document how ordinary individuals in these vulnerable Appalachian communities are dealing with the evolving crisis caused by the coronavirus. Lead Project Director is Dr. Keith Alexander, Associate Professor of History. Co-PI: Dr. Julia Sandy, Associate Professor of History. |
| **WVHC - West Virginia Humanities Council CARES Emergency Relief Grants: $10,000 for 6 months: July 1, 2020 –December 31, 2020 *Remote, Public Programming at the George Tyler Moore Center for the Study of the Civil War (GTMC)***  Funds support the transition from in-person to on-line programming at the GTMC during the coronavirus crisis. Budget includes increases in administrative staff hours, paid student internships and purchase of cameras, microphones and other hardware. Lead Project Director: Dr. James Broomhall, Associate Professor of History and Director for the George Tyler Moore Center for the Study of the Civil War. |
| **WV HEPC - West Virginia Higher Education Policy: $13,000 for 6 months: May 31, 2020 – December 31, 2020 *Academic Affairs Mini-Grant***  Funding will be utilized to hold Summer Technology Workshops for faculty with a focus on distance-learning. Lead Project Director: Dr. Laura Renninger, Dean of Teaching, Learning and Instructional Resources |
| **WV HEPC - West Virginia Higher Education Policy Commission's Division of Health Sciences: $25,000 for 1 year: May 9, 2020 – December 31, 2020 *Psychology Lab Construction Phase III***  Funds provided 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, Department of Psychology. |
| **WV HEPC - West Virginia Higher Education Policy Commission's Diversity for Equity Grant Program: $5,000 for 1 year: August 15, 2020 – July 31, 2021 *Multicultural Events Programming***  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: Crystal Tharp, Coordinator for Multicultural and Accessibility Services. |
| **WV HEPC - West Virginia Higher Education Policy Commission's Diversity for Equity Grant Program: $4,917 for 1 year: August 15, 2020 – July 31, 2021 *WISE (Wisdom Inspires Student Excellence)***  Funding will pilot a high-impact mentoring and early intervention program in the fall/spring of 2020-21. The primary goal is to improve student retention, enhance social and cultural capital, improve access to textbooks and course materials, and boost academic achievement of non-traditional students. WISE will empower and prepare incoming students and mentors as advocates for social change. Lead Project Director: Dr. Chiquita Howard-Bostic, Associate Vice President of Diversity, Equity and Inclusivity. |

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| *FY2021 Pending Grant Proposals to Date: August 2020*  Submitted and awaiting decision on award.  Total current pending proposals to date: $154,183 |
| **USDA - Department of Agriculture's Rural Development Program, Distance Learning and Tele-Medicine: $110,697 for 3 years: November 1, 2020 – October 31, 2023 *Pathways to Postsecondary Education for Rural Students: Dual Enrollment Distance Learning at Shepherd University***  Funding would provide for purchase of hub and end-user telecommunication for bringing live-streamed, synchronous distance-learning courses offered through Shepherd University's dual enrollment program to high school students at Martinsburg and Jefferson High Schools. Lead Project Director: Dr. Christy Wenger, Director of Academic Innovation Initiatives and Associate Professor of English. Co-PI's: Dr. Ben Martz, Dean of the College of Business, Director of the Shepherd Entrepreneurship and Research Corporation (SERC), Dr. Jeff Groff, Chair of the Department of Environmental and Physical Sciences and Associate Professor of Physics, and Dr. Chiquita Howard-Bostic, Associate Vice President of Diversity, Equity and Inclusivity and Chair for Sociology. |
| **WV INBRE - West Virginia IDeA Network of Biomedical Research Excellence, Cancer Biology Grant: $43,486 for 1 year: August 1, 2020 – July 31, 2021 *Optimizing the Effect of Immune Checkpoint Inhibition Combined with Chemotherapy on Tumor Growth***  The objective of this project is to develop a predictive simulation platform to improve cancer management by manipulating dose, timing, and sequencing of the therapies in the combined immune checkpoint inhibition and chemotherapy based on a cancer model calibrated against experimental data. Lead Project Director: Dr. Qing Wang, Professor of Computer Science and Mathematics. |