

University of South Carolina - November 2022 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	Applied Research & Evaluation (CARE)	Workman, Lauren			
			SC MIECHV FY22 Coordinated State Evaluation (2022-2024)	Children's Trust of South Carolina/HRSA	\$ 150,896
	Environmental Health Sciences	Porter, Dwayne			
			Habitat Mapping in Support of Resiliency and Adaptation Planning within the National Estuarine Research Reserve System	Pew Charitable Trusts	\$ 175,472
	Exercise Science	Fraley, Amy			
			Yoga Practices on Improving Balance, Performance, and Anxiety in Collegiate Athletes	National Athletic Trainers' Association (NATA) Research and Education Foundation	\$ 1,000
			Who Serves Those Who Serve? The Availability of Athletic Trainers to ROTC Programs Across the United States	National Athletic Trainers' Association (NATA) Research and Education Foundation	\$ 1,000
		Moore, Robert			
			IPA Agreement with Dom VA Medical Center - Robert Davis Moore	WJB Dom VA Medical Center/VA	\$ 7,700
	Health Prom., Educ. & Behavior	Thrasher, James			
			Removing the marketing power of cigarettes: A multi-method study aimed at protecting the health of adolescents in Latin America	University of Stirling/Medical Research Council (MRC), UK	\$ 40,448
	Health Services Policy & Mgmt	Crouch, Elizabeth			
			FY22 MIECHV Coordinated Evaluation Proposal	Children's Trust of South Carolina/HRSA	\$ 322,680
College of Arts and Sciences					
	Archaeology & Anthropology	King, Adam			
			Administrative Services for ArchSite II, 2022-2024	SC Department of Transportation (SC DOT)	\$ 139,877
	BARUCH COASTAL LABORATORY	Strosnider, William			
			Quantifying ecological responses following floating treatment wetland application in brackish stormwater ponds	Clemson University (South Carolina Water Resources Center - SCWRC)/DOI	\$ 33,545
	Chemistry & Biochemistry	Li, Jie			
			Improving PMP models for pre-clinical testing and evaluating PMP-associated bacterial functional metabolites in PMP progression and treatment	National Organization for Rare Disorders (NORD)/ACPM	\$ 50,000
		Shimizu, Ken			
			Hydrogen bonding protecting groups	Petroleum Research Fund (PRF)/American Chemical Society (ACS)	\$ 110,000
	Geography	Ellis, Jean			
			RAPID: Impacts and recovery of natural and managed coastal dunes on a South Carolina barrier island from Hurricane Ian	National Science Foundation (NSF)	\$ 25,610
	History	Donaldson, Bobby			
			NPS AACR: Booker T. Washington High School Auditorium Building	National Park Service/DOI	\$ 500,000
		Elfenbein, Jessica			
			Wood Basket of the World: Lumbering, Manufacturing, and Conserving South Carolina's Forests	SC Humanities/NEH	\$ 2,000
	Mathematics	Wang, Zhu			
			Nonlinear Hamiltonian and Lagrangian Model Reduction for Ocean Simulation and Tethered Air-Surface Vehicle Control	University of California - San Diego/ONR	\$ 69,099
	McKissick Museum	Przybysz, Jane			
			SCAC Folklife Partnership Grant Renewal	SC Arts Commission	\$ 70,517
	School of Earth, Ocean & Env.	Barra, Monica			
			SSRC Arts Research with Communities of Color (ARCC) Fellowship	Social Science Research Council (SSRC)/Wallace Foundation	\$ 70,000
		Frost, Daniel (Dan)			
			Collaborative Research: RAPID: Capturing the Elgin-Lugoff earthquake swarm with a dense nodal array	National Science Foundation (NSF)	\$ 7,390
	Sociology	Henderson-Platt, Andrea			
			Science and Religion of the Human Body	Rice University/The Issachar Fund	\$ 42,054
College of Education					
	Child Development Res. Center	Googe, Heather			
			Building a Statewide System for Inclusion 2022-23	SC Department of Social Services (DSS)/HHS	\$ 1,505,525
	Research, Eval., & Measurement	Dickenson, Tammiee			

			Evaluation of Young Men United Pilot Program	United Way of the Midlands/SCDE	\$ 35,000
	SC Educational Policy Center	Monrad, Diane			
			Evaluation of Georgetown County School District's Pathways to Success Magnet Program	Georgetown County School District/USDE	\$ 1,000,000
College of Engineering & Comp.					
	Chemical Engineering	Jalilvand, Golareh			
			High Capacity and Longevity Cathodes for Li-S batteries	NantG Power, LLC	\$ 350,000
	Civil & Environmental Eng.	Qian, Yu			
			Matching Funds for 10011055 Quantitative Assessment of the Influence of Drainage on Track Support	Loram Maintenance of Way, Inc.	\$ 30,000
	Electrical Engineering	Dougal, Roger			
			Phase III - Digital Twins for Resilient Power and Energy Systems	Office of Naval Research (ONR)/DOD	\$ 9,964,825
	Mechanical Engineering	Besmann, Theodore			
			Development of Thermochemical Database for Predicting UN Fuel Systems Under Irradiation	Westinghouse Electric Company, LLC/DOE	\$ 211,440
			Determining Uncertainties in Computed Vapor Pressures and Solubilities in Values Computed from the MSTDB-TC Library of Relation	Terrestrial Energy, LLC/DOE	\$ 154,991
		Reynolds, Anthony	University of South Carolina subcontract in support of Thrust 1, Project 5 Solid Phase Processing at the Extreme associated with LDRD award: 73950 SPP Discovering Thermomechanical Pathways.	Battelle Memorial Institute (Pacific Northwest Division)/DOE	\$ 60,000
			Support for Friction Extrusion of Titanium at PNNL	Battelle Memorial Institute (Pacific Northwest Division)/DOE	\$ 42,572
College of Information & Comm.					
	School of Information Sciences	Cooke, Nicole			
			Spectrum Doctoral Fellowship	American Library Association (ALA)/Institute of Museum and Library Services (IMLS)	\$ 107,886
College of Pharmacy					
	Drug Discovery & Biomed Sci.	Davis, Sarah			
			The role of VMAT-2 in mediating the impact of HIV-1 protein Tat and methamphetamine on dopamine neurotransmission and behavior	National Institute on Drug Abuse (NIDA)/NIH	\$ 77,416
	Pharm - Clin Pharm & Outcomes Sciences	Lu, Kevin			
			Repurposing Antihypertensive Drugs in Routine Care to Reduce Dementia Risk	Alzheimer's Association	\$ 150,000
College of Social Work					
	Social Work - Dean's Office	Browne, Teri			
			Helping Patients Achieve Kidney Transplants through Health System Change	Duke University/PCORI	\$ 72,434
		Flynn, Cynthia			
			Fatherhood FIRE/H2O Evaluation Year 3	SC Center for Fathers and Families (SCCF)/HHS	\$ 110,000
Darla Moore School of Business					
	Moore Sch - Div. of Research	Von Nessen, Joseph			
			South Carolina Arts Commission: Economic Impact Analysis	SC Arts Commission	\$ 15,000
			NIWC Atlantic: Economic Impact Analysis	NIWC Atlantic/US Navy/DOD	\$ 176,000
			Midlands Business Leadership Group: 2022-2023 Competitiveness Report	Midlands Business Leadership Group	\$ 20,000
Economic Engagement					
	Ofc of Economic Engagement	Hardaway, Chad			
			University of South Carolina OEE PTAC 2022-2023	Defense Logistics Agency(DLA)/DOD	\$ 616,086
			USC OEE PTAC - Matching Funds 2022-2023	SC Department of Commerce (SCDOC)	\$ 170,000
Hosp., Retail, & Sport Mgmt					
	Hotel, Restaurant & Tour Mgmt	Harrill, Richard			
			An Investigation of Visitor Profile and Economic Impact of the Five Points District, Columbia, South Carolina	Five Points Association	\$ 25,000
Law Enforcement & Safety					
	UNIVERSITY POLICE DEPARTMENT	Birnie, Stephen			
			Bulletproof Vest Partnership 2022	Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ	\$ 7,716
			Body Worn Camera Fund 2023	SC Department of Public Safety	\$ 65,340
			In Car Camera Video Program 2023	SC Department of Public Safety	\$ 10,000
School of Law					
	Children's Law Center	Black, Shelandra			
			De-Institutionalizing South Carolina's Status Offenders	South Carolina Department of Public Safety/DOJ	\$ 199,044

School of Medicine				
	Cardiovascular Translational Research Center			
		J da Costa, Tiago		
			Decoding the impact of O-GlcNAc, Sex, and Age on Cardiovascular Disease	American Heart Association (AHA)
	Internal Medicine			\$ 145,020
		Yates-Wilson, Beverly		
			Prisma Annual Support 2022_2023	SC Research Foundation (SCRF)/Prisma Health: Office of Community H
				\$ 50,000
School of Medicine (GrV)				
	Medicine Greenville			
		Stevens, Margie		
			Harm Reduction Academic Detailing	National Association of County and City Health Officials (NACCHO)/CDC
				\$ 35,000
University of SC Beaufort				
	BFT Education			
		Marlowe, Bruce		
			Melding Academics, Support, and Training of Educators for higher Retention Yields (MASTERY)	U.S. Department of Education (USDE)
	BFT Law Enforcement			\$ 4,737,917
		Epstein, Sheldon		
			South Carolina DPS Body Worn Cameras	SC Department of Public Safety
				\$ 11,500