

University of South Carolina - October 2022 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	<i>Applied Research & Evaluation (CARE)</i>				
		Gillam, Pamela			
			SFY 2023-2024 Medicaid Eligibility Monitoring and Quality Improvement Contract	SC Department of Health and Human Services	\$ 2,592,646
		Murday, David			
	<i>Communication Sci & Disorders</i>		Risk of Opioid Use Disorder and Related Consequences	Medical University of South Carolina (MUSC)/ACL - DHHS	\$ 26,498
		Neils-Strunjas, Jean			
			SC CREATE 2023	SC Department of Education (SCDE)	\$ 236,908
		Newman-Norlund, Roger			
	<i>Environmental Health Sciences</i>		MRI-based predictors of athletic performance: An archival study of vascular and structural predictors	SC Research Foundation (SCRF)/Provision	\$ 50,000
		Porter, Dwayne			
			Operational Support of the National Estuarine Research Reserve System Centralized Data Management Office and Enhancements to the System-Wide Monitoring Program	National Oceanic & Atmospheric Administration (NOAA)/DOC	\$ 780,194
	<i>Epidemiology & Biostatistics</i>				
		Liese, Angela			
			Faculty Initiative for Improved Recruitment, Retention, and Experience (FIIRRE)	National Cancer Institute (NCI)/NIH	\$ 13,193,018
		Liu, Jihong			
			Women in Control of Diabetes (WICO): a Team-based Novel Care Model Targeted at Reducing Treatment Barriers Experienced by Women Across the Lifespan (Professional Services Agreement w/Prisma)	Prisma Health Midlands/Blue Cross Blue Shield of South Carolina Foundation	\$ 67,632
		Nolan, Melissa			
			CDC Southeastern Center of Excellence in Vector-Borne Diseases: The Gateway Program (Subcontract to University of Florida)	University of Florida/CDC	\$ 329,625
	<i>Health Prom., Educ. & Behavior</i>				
		Qiao, Shan			
			Using a Taxonomic Meta-Analysis to Identify Strategies to Support HIV Treatment Adherence and Retention (NIH contract)	National Institutes of Health (NIH)	\$ 312,362
	<i>Health Services Policy & Mgmt</i>				
		Ostermann, Jan			
			Confidential Social Network Referrals for HIV Testing (CONSORT)	Fogarty International Center (FIC)/NIH	\$ 374,359
		Wright, Brad			
			Heeding Patient Voices: Patient, Nurse, and Event Characteristics Associated with Nurse Judgments	University of Iowa / NIH	\$ 23,925
College of Arts and Sciences					
	<i>Baruch Institute</i>				
		Morris, James			
			LTER: Plum Island Ecosystems, the impact of changing landscapes and climate on interconnected coastal ecosystems	Marine Biological Laboratory/NSF	\$ 316,203
	<i>Biological Sciences</i>				
		Twiss, Jeffery			
			Targeting Axon Intrinsic Pathways to Accelerate Regeneration and Promote Neuroprotection	SC Research Foundation (SCRF)/Adelson Medical Research Foundation	\$ 391,712
	<i>Center for Science Education</i>				
		Jordan, Donald			
			USC 2023 Center for Science Education, Junior Science & Humanities Symposium (JSHS)	National Science Teachers Association (NSTA)/DOD	\$ 28,252
	<i>Chemistry & Biochemistry</i>				
		Richardson, Susan			
			Identifying PFAS Hotspots in Surface Waters of South Carolina Using a New Optimized Total Organic Fluorine Method	Clemson University/USGS/DOI	\$ 32,000
		Shustova, Natalia			
			Organometallic Catalysis from Molecular Catalysts Non-Covalently Confined in Metal-Organic Frameworks	US Department of Energy (DOE)	\$ 225,000
		zur Loye, Hans-Conrad			
			PIONEERING A CERMET WASTE FORM FOR DISPOSAL OF WASTE STREAMS FROM ADVANCED REACTORS (PACE-FORWARD)	Rutgers University/ARPA-E/DOE	\$ 165,000
	<i>Mathematics</i>				
		He, Siming			
			Topics in Mathematical Biology and Fluid Mechanics (Transferred Award)	National Science Foundation (NSF)	\$ 123,611
	<i>Physics & Astronomy</i>				
		Pershin, Yuriy			
			RAISE: MemComputing: from software to hardware	University of California San Diego/NSF	\$ 373,518
	<i>Psychology</i>				
		Hudac, Caitlin			
			Linking Brain and Behavior: A GRIN2B Biomarker	GRIN2B Foundation	\$ 7,508

College of Education					
	Education - Dean's Office				
		Berry, Barnett			
			Advancing a Coherent System of Teacher and School Leader Development for Deeper, More Equitable Learning and Whole Child Education	Carnegie Corporation of New York	\$ 200,000
			Teacher Leadership for Whole Child Education	Stuart Foundation	\$ 50,000
	Educational Studies				
		Irvin, Matthew			
			Institute for Measurement METHodology in Rural STEM Education Postdoctoral Research Fellowship (IMMERSE-PRF)	National Science Foundation (NSF)	\$ 1,249,870
College of Engineering & Comp.					
	Computer Science & Engineering				
		Farkas, Csilla			
			Context-Aware and Adaptive Authorization Framework for Critical Infrastructure	National Security Agency (NSA)/DOD	\$ 737,619
	Electrical Engineering				
		Khan, Asif			
			Low-resistivity Ohmic Contacts for Extreme Bandgap Nitride Semiconductors and their Digital Alloys	Office of Naval Research (ONR)/DOD	\$ 419,777
		Matolak, David			
			A Toolkit for UAM Communications Management	Mosaic ATM, Inc./NASA	\$ 15,000
		Wang, Guoan			
			DURIP: ENACT- Enabling Next Adaptive Communication Technologies	Office of Naval Research (ONR)/DOD	\$ 795,904
	Mechanical Engineering				
		Harik, Ramy			
			UG 2022-23: Machine Vision and Machine Learning Using Edge Computing to Improve Quality Control	College of Charleston/SC Space Grant Consortium/NASA EPSCoR	\$ 7,500
			PI: Noah Swingle: Minimizing Through Thickness Defect Stack-up for Automated Fiber Placement of Composite Laminates via Fiber Path Optimization	College of Charleston/SC Space Grant Consortium/NASA	\$ 15,990
		Xue, Xingjian			
			Oxygen Generation for Deployed Army Casualty Care	ChromoLogic/DOD	\$ 300,000
College of Information & Comm.					
	Journalism & Mass Comm.				
		McKeever, Brooke			
			Page Fellow Grant Agreement No. 2023XFL001 (Contract)	The Pennsylvania State University, College of Communications Arthur W. Page Center	\$ 18,000
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		Broude, Eugenia			
			Preventing in vivo resistance to PI3K/AKT/mTOR inhibitors through Mediator kinase inhibition	Senex Biotechnology, Inc./NIH	\$ 131,486
		Xu, Peisheng			
			The development of a multifunctional nanoenzyme for AD treatment	AcePre, LLC./NIA/NIH	\$ 159,948
College of Social Work					
	Social Work - Dean's Office				
		Fram, Maryah			
			What difference does it make? Learning from the stakeholders of the Weekend Food Program about their experiences of program participation	Every Meal	\$ 53,122
Darla Moore School of Business					
	Moore Sch - Div. of Research				
		Von Nessen, Joseph			
			SCRA: Economic Impact Analysis - FY22	South Carolina Research Authority (SCRA)	\$ 10,000
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
Office of the Provost					
	Provost				
		Swartz Hilton, M.A., Katherine			
			Connecting Students to Startups Pilot Project - McNair Institute for Entrepreneurism and Free Enterprise 2021 Relentless Challenge Grant (Funds Received)	SC Department of Commerce Office of Innovation	\$ 50,000
School of Law					
	Children's Law Center				

		<i>Black, Sheldandra</i>			
	<i>Law - Dean's Office</i>		<i>South Carolina Senate Contract</i>	South Carolina Senate	\$ 323,132
		<i>Samuels, Joel</i>			
			<i>Internship Support STO for Ukraine Justice for All (J4A) subaward from Chemonics International</i>	Chemonics International/USAID	\$ 94,856
School of Medicine					
	<i>Basic Science Research</i>				
		<i>Spinale, Francis</i>			
			<i>Research Service Agreement-Large Animal Lab Manager</i>	US Department of Veterans Affairs	\$ 415,428
			<i>MOU between UofSC and the Dorn Research Institute (to cover 5% effort of Stephanie Samani)</i>	Dorn Research Institute, Inc. (DRI)	\$ 2,603
	<i>Internal Medicine</i>				
		<i>Al-hasan, Majdi</i>			
			<i>Housing Opportunities for Persons With AIDS</i>	City of Columbia/HUD	\$ 422,790
			<i>Housing First Program for Persons with Disabilities</i>	City of Columbia	\$ 229,500
		<i>Kubinak, Jason</i>			
			<i>Humoral immunodeficiency disrupt bile acid-induced immune tolerance in the small intestine</i>	National Institute of Allergy & Infectious Diseases (NIAID)/NIH	\$ 246,504
School of Medicine (Grvi)					
	<i>Medicine Greenville</i>				
		<i>Trilk, Jennifer</i>			
			<i>Implementing and Evaluating the Comprehensive Integration of Physical Activity into a Major Health System and Connecting Patients to Community-Based Physical Activity Programs</i>	National Heart, Lung, and Blood Institute (NHLBI)/NIH	\$ 640,668
University Libraries					
	<i>Univ Libraries - Dean's Office</i>				
		<i>Pappas, Lydia</i>			
			<i>Preserving the memories of the Textile Industry through the Spartan Mills Home Movies</i>	The National Film Preservation Foundation/Library of Congress	\$ 20,000
University of SC Aiken					
	<i>AK Mathematical Sciences</i>				
		<i>Fadimba, Koffi</i>			
			<i>CURM Mini-Grant: Initiation to Mathematic Research</i>	Center for Understanding Research in Mathematics (CURM)/Occidental College/NSF	\$ 5,250
University of SC Beaufort					
	<i>BFT Natural Sciences</i>				
		<i>Montie, Eric</i>			
			<i>Testing a Novel Strategy to Measure Underwater Radiated Noise of Vessels in Shallow Coastal Oceans</i>	University of North Carolina Wilmington/U.S. Department of Transportation, Maritime Administration	\$ 206,860
	<i>BFT Nursing & Health Professions</i>				
		<i>Reindi, Diana</i>			
			<i>USCB's Public Health Scholarship Program</i>	Health Resources & Services Administration (HRSA)/HHS	\$ 1,500,000