

University of South Carolina — October 2023 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
<i>Arnold School of Public Health</i>					
	<i>Applied Research & Evaluation (CARE)</i>				
		<i>Macauda, Mark</i>	<i>Evaluation Services for The Center for Rural and Primary HealthCare: Libraries and Health</i>	SC Center for Rural and Primary Healthcare/SCDHHS	34,874
		<i>Workman, Lauren</i>	<i>Sisters of Charity Foundation of South Carolina Poverty Study SC Institute of Medicine and Public Health Evaluation 2023-2024</i>	Sisters of Charity Foundation of South Carolina SC Institute of Medicine and Public Health (IMPH)	50,000 49,919
	<i>Communication Sci & Disorders</i>				
		<i>Adlof, Suzanne</i>	<i>Contextual Word Learning in Children with DLD</i>	University of New York Binghamton/NIH	36,782
	<i>Epidemiology & Biostatistics</i>				
		<i>Self, Stella</i>	<i>Developing New Statistical Methods for Vector-Borne Disease Surveillance to Improve Accuracy while Reducing Cost</i>	National Institute of Allergy & Infectious Diseases (NIAID)/NIH	3,719,295
	<i>Health Services Policy & Mgmt</i>				
		<i>Andrews, Christina</i>	<i>South Carolina Center for Excellence in Addiction – BCBS</i>	SC Department of Alcohol and Other Drug Abuse Services (DAODAS)/BCBS Foundation	120,600
<i>College of Arts and Sciences</i>					
	<i>Chemistry & Biochemistry</i>				
		<i>Benicewicz, Brian</i>	<i>Gas Separations using Polymer-Grafted Nanoparticle Membranes</i>	US Department of Energy (DOE)	330,000
		<i>Richardson, Susan</i>	<i>Development of two New Total Organic Fluorine Methods to Determine Total PFAS in PFAS-free Firefighting Foams at Trace Levels</i>	Strategic Environmental Research and Development Program (SERDP)/DOD	234,224
	<i>Criminology & Criminal Justice</i>				
		<i>Klein, Brent</i>	<i>Trajectories of Targeted Violence: Mobilization Trends and Interdiction Opportunities</i>	Department of Homeland Security (DHS)	751,842
	<i>History</i>				
		<i>Ford, Lacy</i>	<i>The Southern Campaign of the American Revolutionary War Corridor Project</i>	National Park Service (NPS)/DOI	48,929
	<i>Languages, Literatures, & Cult.</i>				
		<i>Kisselev, Olesya</i>	<i>CALPER: Center for Advanced Language Proficiency Education and Research</i>	Pennsylvania State University (PSU)/USDE	168,401
	<i>Physics & Astronomy</i>				
		<i>Kulkarni, Varsha</i>	<i>An Investigation of Claimed Silicate Dust Crystallinity in a z=0.9 Spiral Galaxy</i>	Space Telescope Science Institute (STScI)/NASA	28,855
	<i>Psychology</i>				
		<i>Coffman, Donna</i>	<i>Reducing Urban Cervical Cancer Disparities Using a Tailored mHealth Intervention to Enhance Colposcopy Attendance</i>	Temple University Health System, Inc./NIH	134,050
	<i>Religious Studies</i>				
		<i>Mitchem, Stephanie</i>	<i>Amplifying WGST Community-Based Research</i>	Mellon Foundation	100,000
	<i>School of Earth, Ocean & Env.</i>				
		<i>White, Scott</i>	<i>Intergovernmental Personnel Act NSF</i>	National Science Foundation (NSF)	201,401
<i>College of Education</i>					
	<i>Research, Eval., & Measurement</i>				
		<i>Lewis, Ashlee</i>	<i>Evaluation of Arts Grow SC 23-24 (FY24)</i>	SC Arts Commission/SCDE/USDE	350,000

College of Engineering & Comp.					
	Chemical Engineering				
		Meekins, Benjamin	Nuvera Fuel Cells (October 2023) -- Component Leachate Testing	Nuvera Fuel Cells, LLC	2,550
		Moss, Melissa	(PI: Shannon DePratter) SC Space Grant: Exploring Traumatic Brain Injury and Alzheimer's Disease	College of Charleston/SC Space Grant Consortium/NASA	7,500
		Shimpalee, Sirivatch	Multiphysics CFD Simulation of Process Columns	Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE	330,000
		Wei, Tao	NSF CAREER: Multiscale Simulations of Iron Oxide Nanoparticle-Protein Electron Transfer	National Science Foundation (NSF)	549,997
	Civil & Environmental Eng.				
		Goharian, Erfan	CIROH: Advancing Camera-Based Monitoring for Operational Hydrologic Applications	The University of Alabama/NOAA/DOC	219,727
	Computer Science & Engineering				
		Farkas, Csilla	Educating Future DoD CySP Scholars: Building a Diverse Workforce	Department of Defense (DOD)	197,411
		Valafar, Homayoun	(PI - Musa Azeem) Unobtrusive and User-Friendly Acquisition of Multi-sensor Data from Wearable Smartwatch Technology	College of Charleston/SC Space Grant Consortium/NASA	6,000
	IIT - Engineering				
		Middleton, Keiona	Target Management Process Digitalization - Capstone	BMW Manufacturing Co., LLC	5,000
			Target Management Digitalization Project -- Fall 2023	BMW Manufacturing Co., LLC	5,000
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		Francis, T. Chase	Contribution Of The Nucleus Accumbens To Depression Relapse	Brain and Behavior Research Foundation	70,000
	Palmetto Poison Center				
		Michels, Jill	Palmetto Poison Center Prevention Outreach and Education to the Public and Healthcare Professionals	SC Department of Health and Human Services (SC DHHS)	3,360,000
	Pharm - Clin Pharm & Outcomes Sciences				
		Fabel, Patricia	Community Pharmacy-Provided Maternal Health Services Training and Implementation Toolkit Program Pilot - Year 2	SC Center for Rural and Primary Healthcare, UofSC School of Medicine Educational Trust/SC DHHS	137,487
College of Social Work					
	Social Work - Dean's Office				
		Reitmeier, Melissa	Rural Occupations Workforce Expansion (ROWE): Educating and Training Behavioral Health Students and Providers Across SC	SC Center for Rural and Primary Healthcare/SCDHHS	196,376
		Xu, Yanfeng	The Use of Telemental Health Services among Foster Children in Rural South Carolina: A Mixed-Method Study	SC Center for Rural and Primary Healthcare/SCDHHS	50,000
Darla Moore School of Business					
	Moore Sch - Dean's Office				
		Niehaus, Greg	Climate Change Risk Management, Insurance, and Finance Course Proposal	Spencer Educational Foundation, Inc.	10,000
Economic Engagement					
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		Hardaway, Chad	SC Apex 2023 (PTAC)	Defense Logistics Agency(DLA)/DOD	395,645
			SPOT Visual Inspection Platform - Phase 1	Michelin	14,000
			University of South Carolina OEE Apex - Matching Funds 2023-2024	SC Department of Commerce (SCDOC)	170,000
Law Enforcement & Safety					
	UNIVERSITY POLICE DEPARTMENT				
		Birnie, Stephen	Body Worn Camera Fund 2024	SC Department of Public Safety	65,340

<i>School of Law</i>					
	<i>Law - Dean's Office</i>				
		<i>Samuels, Joel</i>	<i>Justice Sector Training, Research, and Coordination (JusTRAC) 3.0</i>	Bureau of International Narcotics and Law Enforcement Affairs (INL)/DOS	8,824,137
			<i>Understanding Chinese Engagement in South Asia (UCESA)</i>	Global Engagement Center (GEC)/DOS	800,000
		<i>Wallace, Clinton</i>	<i>USC School of Law Low Income Tax Clinic</i>	Internal Revenue Service (IRS)	117,975
<i>School of Medicine</i>					
	<i>MDC Office of Dean</i>				
		<i>Rahemtullah, Omme-Salma</i>	<i>Nutrition Incentive Hub Capacity Building Fund Award - Grant Writer</i>	SC Research Foundation (SCRF)/Fair Food Network/USDA	23,419
	<i>Obstetrics & Gynecology</i>				
		<i>Sims, Kerry</i>	<i>PALS- Providing Active Labor Support for High-Risk Birth Facility in Columbia, SC</i>	USC Educational Foundation/The Duke Endowment	658,000
	<i>Path, Microbio. & Immunology</i>				
		<i>Oskeritzian, Carole</i>	<i>Differential regulation of mast cell-mediated allergic responses</i>	University of Connecticut/NIAID/NIH	42,872
<i>School of Medicine (Grvl)</i>					
	<i>Medicine Greenville</i>				
		<i>Porter-Stransky, Kirsten</i>	<i>ScholarRx bricks within a decelerated curriculum to promote successful advancement to clerkships for academically at-risk medical students</i>	ScholarRx	3,800
<i>University of SC Beaufort</i>					
	<i>BFT Public Safety</i>				
		<i>Epstein, Sheldon</i>	<i>2024 Fiscal Yr.- South Carolina DPS Body Worn Cameras</i>	SC Department of Public Safety (SC DPS)	11,403