

## University of South Carolina — April 2024 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	Center for Community Health Alignment				
		Covington Kolb, Sarah	Training Promotoras/Community Health Workers using Culturally and Linguistically-Appropriate Research Best Practices	University of Michigan/NIH	7,500
	Environmental Health Sciences				
		Kloot, Robin	Growing Resilience in South Dakota Rangeland and Cropland	Natural Resources Conservation Service (NRCS)/USDA	417,817
	Exercise Science				
		Yang, Chih-Hsiang (Jasc)	Temporal Dynamics and Associations of Device-based Activity Distribution Metrics and Everyday Cognition in Older Adults	National Institute on Aging (NIA)/NIH	287,416
	Health Prom., Educ. & Behavior				
		Kim, Minji	Understanding the Impact of Vaping Prevention Ads on Adolescents and Young Adults	UNC Chapel Hill/NIH	141,055
		Monroe, Courtney	Using Existing Social Ties to Promote Physical Activity: Effects of Digitally Delivered Team Social Support Training	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH	3,052,336
	Health Services Policy & Mgmt				
		Xirasagar, Sudha	Preparatory phase for South Carolina's 5-year Strategic Plan for the Control of Sexually Transmitted Diseases	SC Department of Health & Environmental Control (DHEC)	88,905
College of Arts and Sciences					
	Archaeology & Anthropology				
		DePratter, Chester	Continued processing and reporting collections from Charlesfort/Santa Elena Archaeological Site (38BU51 and 38BU162), USMCRD, Parris Island, South Carolina	Marine Corps Recruit Depot (MCRD) Parris Island/USMC/DOD	937,760
	BARUCH COASTAL LABORATORY				
		Snyder, Maeve	Evaluating risk of tidal marsh inundation and monetizing services to prioritize management actions (sub to UNCW)	University of North Carolina Wilmington/NOS/NOAA/DOC	20,736
	Biological Sciences				
		LoPresti, Eric	Meg and Bert Raynes Wildlife Fund - Student Grant Proposal - Sierra Jaeger	Meg and Bert Raynes Wildlife Fund	5,000
	Chemistry & Biochemistry				
		Sutton, Christopher	Accelerated Discovery and Demonstration of Advanced Perovskites for Efficient Solar Thermochemical Hydrogen Production	University of Colorado/DOE	285,000

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		<i>Walters, Wendell</i>	<i>Quantifying Natural and Anthropogenic Influences on Nitrogen Oxides Emissions and Chemistry</i>	<i>National Science Foundation (NSF)</i>	422,847
	Criminology & Criminal Justice				
		<i>Klein, Brent</i>	<i>Research and Evaluation on Mass Shootings: An Examination of Evaluation of Extreme Risk Protection Order (ERPO) Laws, Leakage Activity, and Gun Obtainment on Public Mass Shootings</i>	<i>University of Massachusetts Lowell/NIJ/DOJ</i>	345,612
	Psychology				
		<i>Hudac, Caitlin</i>	<i>Linking SETBP1-HD EEG Biomarkers to Clinical Profiles</i>	<i>The Orphan Disease Center (at the University of Pennsylvania)</i>	88,740
		<i>Parrish, Lori</i>	<i>Facilitating the Pilot Design Workgroup for the Pee Dee School-based Behavioral Health Pilot (Contract)</i>	<i>North Carolina Healthcare Foundation, Inc.</i>	36,478
	School of Earth, Ocean & Env.				
		<i>Boggs, Carol</i>	<i>Integrating physiological and behavioral ecology: How limited resources and allocation trade-offs impact mate signaling</i>	<i>National Science Foundation (NSF)</i>	703,889
		<i>Peng, Xuefeng (Nick)</i>	<i>Fungal contribution to benthic nitrogen and carbon cycling in a productive ocean basin</i>	<i>The Simons Foundation International, Ltd.</i>	810,000
	Sociology				
		<i>Zhao, Jun</i>	<i>Georgia Family Connection Partnership</i>	<i>Georgia State University Research Foundation (GSURF), Inc./Georgia Family Connection Partnership</i>	7,683
	Theatre and Dance				
		<i>Milling, Stephanie</i>	<i>Journey through Jazz Dance</i>	<i>SC Arts Commission</i>	30,000
College of Education					
	Educational & Developmental Science				
		<i>DiStefano, Christine</i>	<i>Contract for Evaluation for Lexington/Richland 5: Therapeutic Day Program Planning Grant (DOE)</i>	<i>School District 5 of Lexington and Richland Counties/SCDE</i>	125,000
	Research, Eval., & Measurement				
		<i>Leighton, Elizabeth</i>	<i>South Carolina School Climate Surveys: Factor Analysis Study</i>	<i>South Carolina Education Oversight Committee (EOC)</i>	20,000
	Teacher Education				
		<i>Camp, Kristie</i>	<i>Artifactual Literacies and Outdoor Learning for Secondary English Language Arts Students</i>	<i>National Council of Teachers of English (NCTE) Research Foundation</i>	1,500

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College of Engineering & Comp.					
	Civil & Environmental Eng.				
		Rizos, Dimitris	Expanding Summer Youth Programs in Rail through Virtual Learning and a National Campus Network – Year 3	Michigan Technological University/Federal Railroad Administration/DOT	19,920
		Sasanakul, Inthuorn	Geotechnical Characterization of Seabed Sediments from Long Bay, North and South Carolina for Coastal Resilience Projects	SC Geological Survey (SCGS)/BOEM/DOI	75,000
Computer Science & Engineering					
		Sur, Sanjib	NeTS: Small: NSF-DST: Modernizing Underground Mines Operations with Millimeter-Wave Imaging and Networking	National Science Foundation (NSF)	599,559
IIT - Engineering					
		Crichigno, Jorge	CC* Integration-Small: Enhancing Data Transfers by Enabling Programmability and Closed-loop Control in a Non-programmable Science DMZ	National Science Foundation (NSF)	500,000
			OAC Core: Enhancing Network Security by Implementing an ML Malware Detection and Classification Scheme in P4 Programmable Data Planes and SmartNICs.	National Science Foundation (NSF)	599,999
Mechanical Engineering					
		Wang, Guiren	Digital prediction of micro helium leak rates in the performance modeling of metallic seals	SC Department of Commerce (SC DOC)	111,403
College of Information & Comm.					
School of Information Sciences					
		Kitzie, Vanessa	Leveraging LIS Research Insights to Support LGBTQIA+ Communities	American Library Association	5,000
College of Social Work					
Social Work - Dean's Office					
		Roth, Benjamin	Trafficking Victim Assistance Program Evaluation	US Committee for Refugees and Immigrants/HHS	320,000
			Child Trafficking Victim Assistance Program Evaluation	US Committee for Refugees and Immigrants/HHS	120,000
Darla Moore School of Business					
Moore Sch - Div. of Research					
		Von Nessen, Joseph	ACEC-SC: The Economic Impact of Infrastructure in SC	ACEC-SC Infrastructure Works Institute (IWI)	148,000
			Dorchester Heritage Center: Economic Impact Analysis (2024)	Dorchester Heritage Center, Inc.	40,000
Hosp., Retail, & Sport Mgmt					
Hotel, Restaurant & Tour Mgmt					

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		<i>Taylor, Scott</i>	<i>Title: Development of a Food Security Certificate Program, utilizing Food4Vols, a Food Upcycling Program - Certificate for Food Security Program</i>	<i>University of Tennessee/USDA</i>	202,114
School of Law	Law - Dean's Office				
		<i>Suski, Emily</i>	<i>DSS CHAMPS Grant</i>	<i>SC Department of Social Services (DSS)</i>	480,000
School of Medicine	Path, Microbio. & Immunology				
		<i>Velazquez, Kandy</i>	<i>The Role of Platelets in Cancer Cachexia</i>	<i>National Cancer Institute (NCI)/NIH</i>	204,391
University of SC Salkehatchie	SA PALMETTO COLLEGE				
		<i>Burns, Francis</i>	<i>USDA Forensic Lab 3</i>	<i>Western Carolina Higher Education Commission (WCHEC)/USDA</i>	50,000
University of SC Upstate	UPS Center for Womens and Gender				
		<i>Johnson, Merri</i>	<i>Spartanburg County LGBTQ Needs Assessment Update - (Spartanburg Co. LGBT)</i>	<i>Spartanburg County Foundation LGBT Fund</i>	10,000
			<i>Spartanburg County LGBTQ Needs Assessment Update - (Freeman Foundation)</i>	<i>Freeman Foundation</i>	17,000