

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

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	Exercise Science				
		Fairman, Ciaran	<i>Feasibility and Effectiveness of an Exercise Medicine Program for Individuals with Cancer</i>	Prisma Health - Midlands	47,341
		Potter, Elizabeth	<i>Increasing Use of SNAP Fruit and Vegetable Incentive Programs for Families with Food Insecurity</i>	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH	3,220,739
		Wilcox, Sara	<i>The USC PRC: Community-Based Participatory Research to Study Church Implementation of an Evidence-Based Social Support Intervention to Increase Physical Activity among Older African American Adults</i>	Centers for Disease Control and Prevention (CDC)/HHS	4,992,232
	Health Services Policy & Mgmt				
		Crouch, Elizabeth	<i>C-CBCAP-2023-2025-RMHRC-1</i>	Children's Trust Fund of South Carolina/ACF/HHS	7,500
			<i>MIECHV Coordinated Evaluation Proposal 2023-2025</i>	Children's Trust of South Carolina/HRSA	315,179
	PASOS				
		Martin, Maria	<i>MIECHV Children's Trust of South Carolina 2024</i>	Children's Trust of South Carolina/HRSA	41,667
College of Arts and Sciences					
	Baruch Institute				
		Morris, James	<i>LTREB Long Term Studies of Salt Marsh Primary Production</i>	National Science Foundation (NSF)	599,999
	Biological Sciences				
		Dallas, Tad	<i>Linking environmental variability and species-environment relationships to understand fluctuating populations</i>	National Science Foundation (NSF)	199,814
		Pena, Maria	<i>The Role of Early Life Exposure to Antibiotics on Risk of Early Onset Colorectal Cancer</i>	National Cancer Institute (NCI)/NIH	372,142
	Chemistry & Biochemistry				
		Li, Jie	<i>2024 ACS Project Seed at USC</i>	American Chemical Society (ACS)	12,000
		Shimizu, Linda	<i>Validation of novel LY6K targeting small molecule inhibitors and their structural analogues for treatment of triple negative breast cancer</i>	The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc./DOD	206,106
		Wang, Qian	<i>Biomanufacturing of bioactive glycolipids and glycolipids-based liposomal for pharmaceuticals applications</i>	SC Research Authority (SCRA)	859,791

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		<i>Wiskur, Sheryl</i>	<i>ACS New Directions</i>	American Chemical Society (ACS)	125,000
	Colorectal Cancer Prevention Network				
		<i>Thibault, Annie</i>	<i>Increase Health Equity of CRC screening in Spanish speaking, low-income, medically underserved and uninsured individuals in SC - FOCUS Program</i>	Exact Sciences Corporation	72,443
	History				
		<i>Donaldson, Bobby</i>	<i>Florence C. Benson Elementary School Building Preservation Project</i>	National Park Service (NPS)/DOI	4,250,000
	Physics & Astronomy				
		<i>Altschul, Brett</i>	<i>REU Site: Undergraduate Research in Physics at the University of South Carolina</i>	National Science Foundation (NSF)	354,017
	Psychology				
		<i>Almor, Amit</i>	<i>Doctoral Dissertation Research: The Effects of Anthropomorphic Linguistic Framing on the Online Sentence Processing of Texts about AI</i>	National Science Foundation (NSF)	17,817
		<i>Deng, Anqi</i>	<i>Connect through PLAY Physical Literacy Intervention: Feasibility in Afterschool Programs</i>	SHAPE America	1,000
		<i>Wedell, Douglas</i>	<i>DDRI: Choice Overload in the Digital Age: A Cognitive Neuroscience Approach</i>	National Science Foundation (NSF)	29,949
	Theatre and Dance				
		<i>Duffy, Peter</i>	<i>Rooster Tales Summer Camp - SC Arts Commission Summer Arts Education Project Grants</i>	SC Arts Commission	22,500
College of Education					
	Child Development Res. Center				
		<i>Perkins, Katherine</i>	<i>Together for Beaufort County (T4BC) Early Childhood Report Data and Analyses Services</i>	Joseph P. Riley Jr. Center for Livable Communities at College of Charleston/Beaufort County	5,000
	Education - Dean's Office				
		<i>Brian, Ali</i>	<i>(PI: Michael Ertel) The effects of NP-UDL on MVPA in general physical education</i>	SHAPE America	1,000
	Physical Education				
		<i>Miedema, Sally</i>	<i>Walking to Academic Mental Physical (AMP) Health Literacy</i>	USC Educational Foundation/The Duke Endowment	410,000
College of Nursing					
	Advanced Prof Nursing Practice				
		<i>Bradshaw, Kathleen</i>	<i>University of South Carolina Nurse Faculty Loan Program (NFLP)</i>	Health Resources and Services Administration (HRSA)/HHS	118,381
	Biobehavioral Health & Nursing Science				

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		<i>Donevant, Sara</i>	<i>Demonstration of the Connected Asset at Lexington Medical Center</i>	South Carolina Research Authority (SCRA)	100,000
			<i>(PI - Clement) A Portable Account of Student Skills (PASS) for Competency Assessment and Skill Remediation</i>	South Carolina Research Authority (SCRA)	10,000
College of Social Work					
	Social Work - Dean's Office				
		<i>Owens, Otis (Shaun)</i>	<i>Optimization of an at-home Continuous Multi-domain Monitoring and Assessment System to Improve Alzheimer's and Related Disorders Clinical Trials - a SBIR Administrative supplement</i>	LifeAnalytics/NIH	167,984
Darla Moore School of Business					
	Moore Sch - Div. of Research				
		<i>Von Nessen, Joseph</i>	<i>SC Technical College System: readySC Analysis</i>	SC Technical College System	58,250
			<i>OceanaGold Corporation: Economic Impact Analysis</i>	OceanaGold Haile Gold Mine	52,250
Koger Center					
	Koger Center				
		<i>Magradey, Karen</i>	<i>Justin Varnes Jazz Concerts at Koger Center for the Arts-South Arts</i>	South Arts, Inc.	2,125
Law Enforcement & Safety					
	Health and Safety Programs				
		<i>Syfert, Tom</i>	<i>Disaster Resistant University Grant (FEMA)</i>	SC Emergency Management Division/FEMA	109,953
Molinaroli College of Engineering & Computing					
	Civil & Environmental Eng.				
		<i>Ziehl, Paul</i>	<i>Cost-effective screening, assessment, and repair of timber piles</i>	Clemson/SCDOT	420,000
	Computer Science & Engineering				
		<i>Narayanan, Vignesh</i>	<i>Collaborative Research: SaTC: Core: Small: Vulnerability Characterization of Learning-Based Controllers in Networked Cyber-Physical Systems</i>	National Science Foundation (NSF)	300,027
			<i>Learning-Enabled Collaborative Autonomy for Networked CPS</i>	AFOSR/USAF/DOD	599,996
	Electrical Engineering				
		<i>Nasiri, Adel</i>	<i>A Compact Direct Medium Voltage Megawatt Charger</i>	Charge America, Inc.	1,264,550
	IIT - Engineering				
		<i>Kfoury, Elie</i>	<i>Collaborative Research: CyberTraining: Implementation: Medium: CyberTraining on Accelerating Infrastructure Workloads using Next-Generation SmartNICs/DPUs</i>	National Science Foundation (NSF)	790,000
Office of the Provost					
	Provost				
		<i>Gibson, Robert</i>	<i>Anne Frank Summer Program for Youth (2023)</i>	SC Arts Commission	11,687
Research, Vice President for					
	Office Research - General				
		<i>Barlow, Shayne</i>	<i>Provision of Veterinary Services for the DVAMC (2024 IPA)</i>	WJB Dorn VA Medical Center/VA	107,810

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		<i>Price, Robert</i>	<i>Collaborative resource that facilitates multidisciplinary research to understand, treat, prevent, and eradicate diseases caused by novel, emerging, and highly virulent viruses.</i>	WJB Dorn VA Medical Center/VA	20,000
School of Medicine					
	Basic Science Research				
		<i>Howard, Shalon</i>	<i>Program Support- Seed Grant Initiative</i>	SC Center for Rural and Primary Healthcare/SCDHHS	20,000
	Cell Biology & Anatomy				
		<i>Evans, Colin</i>	<i>Promoting Endothelial Survival in Sepsis-Induced Lung Injury</i>	American Heart Association (AHA)	300,000
	Family & Preventive Medicine				
		<i>Humphrey, Mark</i>	<i>USC School of Medicine Columbia / Prisma Health Preventive Medicine Residency Program Public and Rural Health</i>	SC Center for Rural and Primary Healthcare/SCDHSS	120,979
	Internal Medicine				
		<i>Al-hasan, Majdi</i>	<i>Housing First Program for Persons with Disabilities</i>	City of Columbia	260,000
	MDC Ctr Disability Resources				
		<i>Rotholz, David</i>	<i>South Carolina Accessibility Boot Camp</i>	SC Developmental Disabilities Council (SCDDC)/HHS	10,000
	Path, Microbio. & Immunology				
		<i>Nagarkatti, Mitzi</i>	<i>Center for Dietary Supplements and Inflammation (CDSI) COBRE - (Phase III)</i>	National Institute of General Medical Sciences (NIGMS)/NIH	5,580,915
	Pharm., Physiology & Neuroscience				
		<i>Pocivavsek, Ana</i>	<i>Kynurenic Acid and Sleep: Focus on Maternal and Offspring Health</i>	National Heart, Lung, and Blood Institute (NHLBI)/NIH	2,642,160