

University of South Carolina — March 2025 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				
		Smithwick, Julie	Envision Equitable Communities Year 4	Wisconsin Department of Health Services/CDC	\$ 916,000
	Communication Sci & Disorders				
		Kristinsson, Sigfus	Lawrence M. Brass, MD Stroke Research Award on Gradual Lesion Expansion	American Academy of Neurology Institute (AANI)	\$ 150,000
	Environmental Health Sciences				
		Baalousha, Mohammed	Impact of Moderate and High Severity Forest Fires on Metals Transformations and the Formation of Disinfection by Products	National Science Foundation (NSF)	\$ 420,000
		Kilpatrick, Daniel	CHIRRP: Building Collaborations and Capacity to Address Climate Hazards in the Southeast U.S.	Clemson University/NSF	\$ 26,346
	Epidemiology & Biostatistics				
		Cai, Bo	SC Muscular Dystrophy Surveillance, Tracking, and Research Network (SC MD STARnet) (Subcontract to DHEC) Comp A	SC Department of Health & Environmental Control (DHEC)/CDC	\$ 7,600
		Hebert, James	GMaP R1N Administrative Partner	University of Kentucky/NIH	\$ 20,000
			NCI GMaP Region Region 1 North Research Pilot Project Support Program	University of Kentucky Research Foundation (UKRF)/NCI/NIH	\$ 14,900
		Kanyangarara, Mufaro	A multi-method, multi-domain approach to evaluating preterm's effect on child growth and development	Oakland University/NIH	\$ 9,000
		Krobath, Danielle	Revealing Multilevel Determinants of Zip Code Level Racial and Ethnic Coverage Rates in WIC (Grant Transfer from Tufts)	Tufts University/Robert Wood Johnson Foundation	\$ 44,800
		Merchant, Anwar	Emulating early physical activity and multidomain interventions on cognitive impairment (Subcontract to University of Texas Health Science Center)	University of Texas Health Science Center/Alzheimer's Association	\$ 53,412
		Nolan, Melissa	PRISMA Seed Grant: Elucidating the biological mechanisms of vaginal progesterone on reducing pre-term birth: Does vaginal progesterone alter vaginal microbiome profiles leading to perinatal vaginal homeostasis?	Prisma Health	\$ 20,000
	Health Prom., Educ. & Behavior				

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		Byers, Megan	For the Purchase and Provision of Education, Training, and Management of the Alzheimer's Disease Registry	SC Department of Health and Human Services (SC DHHS)	\$ 2,265,272
		Draper, Carrie	Project 1: Library Nutrition Support Implementation	SC Department of Social Services (SCDSS)/USDA	\$ 131,488
		Ghattas, Hala	Nutrition environment assessment and nutritional status of school-aged children in Jordan	United Nations Children's Fund (UNICEF)	\$ 198,746
	Health Services Policy & Mgmt				
		Hung, Peiyin	Personalized Auricular Point Acupressure Self-Management for Chronic Pain in Rural Populations	UT Health/NCCIH/NIH	\$ 89,953
		Wright, Brad	Resub: Measuring Behavioral Health Integration in Community Health Centers to Improve Access, Equity, and Outcomes for Medicaid Enrollees	University of Washington/NIMH/NIH	\$ 189,954
College of Arts and Sciences					
	Biological Sciences				
		Armstrong, Alissa	CAREER: Regulation of Drosophila melanogaster oogenesis by ovarian and adipose tissue amino acid sensing signaling pathways	National Science Foundation (NSF)	\$ 1,368,734
		LoPresti, Eric	Jaeger-Meg and Bert Raynes Wildlife 2025	Meg and Bert Raynes Wildlife Fund	\$ 4,995
	Chemistry & Biochemistry				
		Richardson, Susan	How Well Does Total Organic Fluorine Reflect Total PFAS?	Clemson University/USGS/DOI	\$ 310,000
	Colorectal Cancer Prevention Network				
		Macauda, Mark	Evaluation Services for The Center for Rural and Primary HealthCare: Libraries and Health Phase 2	SC Center for Rural and Primary Healthcare (SCCRPH)/SCDHHS	\$ 9,133
	Geography				
		Kupfer, John	Social-ecological vulnerability in human communities surrounding large protected areas in the Southeast	NC State University/USGS	\$ 176,938
	Physics & Astronomy				
		Kulkarni, Varsha	Probing the Dust in the Diffuse ISM in Galaxies over the Past ~8 Billion Years with Spectroscopy of Background Quasars	Space Telescope Science Institute (STScI)/NASA	\$ 245,167
	Political Science				
		Meyer-Gutbrod, Joshua	Partisan Hits or Local Tunes: Exploring Nationalized Rhetoric in State Legislative Campaigns 2018-2024	Center for the Study of Federalism	\$ 14,286
	Theatre and Dance				

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		Milling, Stephanie	Dance Technique Institute - Arts Curricular Innovation Grant 2025	South Carolina Department of Education (SCDE)	\$ 30,000
College of Education					
	Research, Eval., & Measurement				
		D'Amico, Leigh	Preschool Development Grant Needs Assessment Renewal	SC Department of Social Services (DSS)	\$ 226,030
		Dickenson, Tammiee	Research Services on the ABC Quality Program for 2025	SC Department of Social Services	\$ 174,258
	Teacher Education				
		Lotter, Christine	Collaboration Grant, Beyond 100K	Beyond 100K	\$ 1,860
College of Nursing					
	Biobehavioral Health & Nursing Science				
		Newman, Susan	Preparing PHOENIX to Fly: Building Capacity for Research on Spinal Cord Injury Peer Mentoring	Administration for Community Living/HHS	\$ 252,277
	Nursing				
		Warren, Karen	PRISMA Seed Grant: Exploring the health of Black preterm infants and psychosocial challenges faced by mothers in relationship to multiple determinants of health	Prisma Health	\$ 20,000
College of Pharmacy					
	Palmetto Poison Center				
		Michels, Jill	South Carolina Poison Center Support and Enhancement Project	Health Resources and Services Administration (HRSA)/HHS	\$ 1,731,115
			Palmetto Poison Center Hurricane and Emergency Response Project	America's Poison Centers/CDC/HHS	\$ 142,000
	Pharm - Clin Pharm & Outcomes Sciences				
		Hastings, Tessa	Identifying barriers and facilitators to pneumococcal vaccination at rural community pharmacies	UNC Chapel Hill/ Merck Sharp & Dohme LLC	\$ 20,732
Darla Moore School of Business					
	Moore Sch - Dean's Office				
		Brown, Jessica	Big Daycare: The Growing Influence of Private Equity in the Market for Early Care and Education	Arizona State University/Alfred P. Sloan Foundation	\$ 259,459
	Moore Sch - Div. of Research				
		Von Nessen, Joseph	Midlands Regional Competitiveness Council: 2024-2025 Competitiveness Report	Midlands Regional Competitiveness Council	\$ 25,000

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			Pennsylvania Sea Grant College Program: Economic Impact Analysis	Pennsylvania Sea Grant - Pennsylvania State University	\$ 74,500
	Small Business Dev. Ctr.				
		Abraham, Michele	South Carolina Department of Commerce Award Fiscal Year 2024-2025 - (State Director's Office)	SC Department of Commerce (SCDOC)	\$ 1,000,000
Joseph F. Rice School of Law					
	Law - Dean's Office				
		McGough, Maureen	AVENUES training to Advance South Carolina Law Enforcement Responses to Domestic Violence	SC Department of Public Safety (SC DPS)/DOJ	\$ 250,989
			Building Officer Resilience to Trauma and Improving Mental Health Outcomes: The Require4 Training Program for South Carolina Law Enforcement	SC Department of Public Safety (SC DPS)/DOJ	\$ 288,511
			FY24 University of South Carolina CPD LE Products and Resources Award - (Microtrainings on Critical Policing Issues: Creating and evaluating accessible, digestible trainings based on the Excellence in Policing and Public Safety (EPPS) Masters in Public Sa	US Department of Justice (DOJ)	\$ 496,562
Molinaroli College of Engineering & Computing					
	Chemical Engineering				
		Taheri-Qazvini, Nader	Chain Dynamics and Structural Evolution at Thermoplastic Polyurethane Interfaces	American Chemical Society (ACS)	\$ 125,000
	Mechanical Engineering				
		Gross, Andrew	Qualification and Acceptance Protocol for Additively Manufactured Alloys	Battelle Savannah River Alliance (BSRA)/SNRL/DOE	\$ 308,000
		Huang, Xinyu	Analyzing the combustion behavior of woven polyester fabric - SC Dept of Commerce	SC Department of Commerce - Fraunhofer	\$ 320,000
		Widawsky, Joshua	JEC World in Paris, France	SC Department of Commerce	\$ 3,200
School of Medicine					
	Cardiovascular Translational Research Center				
		Dos Anjos Moraes, Raiana	In hypertension, reduced activation of Piezo1 channels inhibits acetylcholine release from the endothelium to cause female pudendal artery dysfunction	International Society for the Study of Women's Sexual Health - ISSWSH	\$ 7,500
	MDC Ctr Disability Resources				
		Rotholz, David	2025 Assistive Technology Expo	SC Developmental Disabilities Council (SCDDC)/HHS	\$ 10,000
	Neurology				

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		Bonilha, Leonardo	Expanding Brain Health Access and Support to Rural and Underserved SC Providers and Communities	USC Educational Foundation/The Duke Endowment	\$ 1,000,000
	Obstetrics & Gynecology				
		Campbell, Berry	Project ECHO South Carolina: Pregnancy Wellness Expansion (25-26)	Prisma Health-Midlands/SCCRPH/SCDHHS	\$ 31,690
School of Medicine (Grvl)					
	Medicine Greenville				
		Springhart, Jennifer	Scan Source Charity Foundation- Remote Area Medical Clinic- USCSOMG Chapter	Scan Source Charitable Foundation	\$ 2,500