

University of South Carolina — February 2025 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Academic Support Services					
	OFFICE OF SUSTAINABILITY				
		Cook, Larry	Student Sustainability Summit - Climate Conversations Mini-Grant	Central Midlands Council of Governments/EPA	2,310
Arnold School of Public Health					
	Environmental Health Sciences				
		Jilling, Andrea	Mineral-Associated Organic Matter as a Dynamic Soil Property Across Varying Soil Mineralogies	Natural Resources Conservation Service (NRCS)/USDA	399,995
		Kilpatrick, Daniel	York County Silfab Solar Health Risk Assessment Project	Citizens Alliance for Governmental Integrity (CAGI)	15,000
		Sabo-Attwood, Tara	Southeastern Coastal Center for Agricultural Health & Safety (SCCAHS) - Emerging Issues Program	University of Florida/CDC/HHS	50,000
			Wastewater analysis of illicit drugs across the Arizona-Mexico Border	University of Florida/Office of National Drug Control Policy (ONDCP)	70,000
	Epidemiology & Biostatistics				
		Boghossian, Nansi	Post-Dobbs Abortion Restrictions: Effects on Maternal and Infant Health and Racial and Ethnic Disparities in the U.S.	Society of Family Planning	74,895
	Exercise Science				
		Regan, Elizabeth W.	PRISMA Seed Grant: Implementing Fit for Function in South Carolina: An Evidenced-Based Exercise Program for People After Stroke. A Pilot Effectiveness and Implementation Study	Prisma Health	16,312
	Health Prom., Educ. & Behavior				
		Draper, Carrie	Project 2: 5-2-1-0-SC Social Marketing Campaign	SC Department of Social Services (SCDSS)/USDA	164,195
			Project 3: Food is Medicine	SC Department of Social Services (SCDSS)/USDA	199,948
			Project 4: State-Level Food Policy Council - Sustainability	SC Department of Social Services (SCDSS)/USDA	186,851
			Project 5: Local Food Policy Councils - Expansion	SC Department of Social Services (SCDSS)/USDA	199,975
			Project 6: State-Wide Outcome Evaluation	SC Department of Social Services (SCDSS)/USDA	199,973
			Project 7: State-Wide Formative Evaluations	SC Department of Social Services (SCDSS)/USDA	108,046

University of South Carolina — February 2025 New Grant Awards Report

			South Carolina Food is Medicine Technical Assistance Collaborative	SC Center for Rural and Primary Healthcare/SCDHHS	267,539
			Wholespire and USC SNAP-Ed Partnership	Wholespire/SCDPH	49,778
	Health Services Policy & Mgmt				
		Chen, Brian	PRISMA Seed Grant: Improving Intrapartum Infection Diagnostics and Treatment	Prisma Health	15,000
	PASOS				
		Martin, Maria	Greenwood Genetic Partnership for Folic Acid Promotion with Latino Community 2025	Greenwood Genetic Center	26,000
College of Arts and Sciences					
	Archaeology & Anthropology				
		King, Adam	Administrative Services for ArchSite II, 2024-2025	SC Department of Transportation (SC DOT)	65,000
	Chemistry & Biochemistry				
		Richardson, Susan	Brominated Disinfection Byproduct Characterization in NC Drinking Water System Before Implementation of GAC Treatment	US Environmental Protection Agency (EPA)	20,000
		Walters, Wendell	CAREER: Constraining Atmospheric Nitrate Precursors and Chemistry Across the United States (US)	National Science Foundation (NSF)	775,573
	Criminology & Criminal Justice				
		Adams, Ian	Arnold Ventures Planning Grant: LEAD-R: Law Enforcement Administrative Data for Research	Arnold Ventures, LLC (Laura and John Arnold Foundation)	184,374
	Geography				
		Wang, Sicheng	Assessing the Impacts of Telehealth on Perceived Accessibility for Prenatal Care in Rural South Carolina	SC Center for Rural and Primary Healthcare (SCCRPH)/SCDHHS	50,000
	Political Science				
		Wilson, Matthew	(PI - Edwina Chen) - Event Proposal: The Political Science Graduate Symposium at USC - APSA Summer Centennial Center Research Grant	American Political Science Association (APSA)	5,430
	Psychology				
		Almor, Amit	Partner-Specific Alignment at the Lexical and Syntactic Levels in Interactive Dialogue	National Science Foundation (NSF)	13,513
		Smith, Courtnie	John H. Magill School Mental Health Certificate Program	SC Department of Mental Health (SCDMH)	37,500
			School Behavioral Health Consortium of the Carolinas: Coalescing Programs to Expand the Workforce and Support the Needs of Students and Families	USC Educational Foundation/The Duke Endowment	587,000

University of South Carolina — February 2025 New Grant Awards Report

College of Education					
	Research, Eval., & Measurement				
		D'Amico, Leigh	South Carolina Child Care Policy Research Partnership	Child Trends, Incorporated/HHS	100,000
		Lewis, Ashlee	Impact Evaluation of ArtsNOW's Partner Schools Program (PSP) (2025)	ArtsNOW (ArtsNOW Learning)	47,500
College of Nursing					
	Biobehavioral Health & Nursing Science				
		Slone, Sarah	Home Blood Pressure Telemonitoring Linked with Community Health Workers to Improve Blood Pressure (LINKED-BP) Program	Johns Hopkins University/American Heart Association (AHA)	18,204
	Professional Nursing Practice				
		Chappell, Katherine	BabyCoach: Nurses Supporting Rural SC Families Discharging From NICU or Special Care	SC Center for Rural and Primary Healthcare/SCDHHS	141,108
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		Shtutman, Michael	PRISMA Seed Grant: Digital PCR Quantification of Replication Competent and Defective Provirus: A New Diagnostic and Prognostic Tool for the Management of People Living with HIV	Prisma Health	17,580
	Pharm - Clin Pharm & Outcomes Sciences				
		Lu, Kevin	Developing Medication Safety Measures in Older Adults with Dementia	University of Tennessee/Alzheimer's Association	8,649
Darla Moore School of Business					
	Moore Sch - Dean's Office				
		Brown, Jessica	Crime Seminars at the University of South Carolina	Arnold Ventures	8,625
	Moore Sch - Div. of Research				
		Von Nessen, Joseph	Pacific Northwest National Laboratory: Socioeconomic Impact Analysis	Battelle Memorial Institute, Pacific Northwest Division/DOE	99,745
Hosp., Retail, & Sport Mgmt					
	Hotel, Restaurant & Tour Mgmt				
		Pennington-Gray, Lori	Identifying Adaptation and Limits in the Face of Persistent River and Coastal Flooding and Its Impacts on the Gullah Communities	SC Sea Grant Consortium/NOAA	198,187
Molinaroli College of Engineering & Computing					
	Chemical Engineering				
		Lauterbach, Jochen	TRISO Recycling or Waste Reduction Using SRNL Vapor Digestion Technology	Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE	429,999

University of South Carolina — February 2025 New Grant Awards Report

		Mustain, William	Extend cell longevity by increasing anode utilization and decreasing anode polarization	Duracell	115,000
			Carolina Institute for Battery Innovation	EDA - US Department of Commerce (DOC)	10,218,140
		Ritter, James	Evaluation of Adsorbents for Hydrocarbon Adsorption	ColdStream Energy, LLC	200,000
	Mechanical Engineering				
		Knight, Travis	Creation of a Multiphysics Simulation Environment for Improving NTP Fuel Reliability and Performance	National Aeronautics & Space Administration (NASA)	80,301
		Wuest, Thorsten (Thor)	EAGER: Private Blockchain-Enabled Federated Learning Framework for Distributed Manufacturing Networks	National Science Foundation (NSF)	299,999
		Yuan, Lang	Detailed Microstructure Predictions for Nickel Alloy Crack Mitigation	Divergent Technologies, Inc.	25,500
Office of the Provost					
	Anne Frank Center				
		Austermiller, Amy	Security Upgrades for the Anne Frank Center on the campus of the University of South Carolina	SCRF/South Carolina Law Enforcement Division (SLED)/DHS	150,000
School of Medicine					
	Basic Science Research				
		Bonilha, Leonardo	Brain Age in Aphasia	National Institute on Deafness and Other Communication Disorders (NIDCD)/NIH	3,007,134
	Cell Biology & Anatomy				
		Fan, Daping	Activating TFEB to enhance the efficacy of immunotherapy for triple negative breast cancer	PromiLead LLC/NIH	215,962
	Internal Medicine				
		Rahemtullah, Omme-Sa	FoodShare South Carolina Statewide Regional Hub Network Development and Technical Assistance (CRPH)	SC Center for Rural and Primary Healthcare/SCDHHS	210,000
			Improving Clinical Partnerships and Referrals for Positive Health Outcomes (Prisma)	SC Research Foundation (SCRF)/Prisma Health	50,000
	MDC Ctr Disability Resources				
		Rotholz, David	South Carolina Assistive Technology Program	Administration for Community Living/HHS	133,399
	Neuropsychiatry				

University of South Carolina — February 2025 New Grant Awards Report

		<i>Srinivasan, Shilpa</i>	<i>SCDMH Patients with Severe and Persistent Mental Illness (SPMI), Long-Term Cognitive and Healthcare Outcomes: A Retrospective Cohort Study</i>	<i>SC Department of Mental Health (SCDMH)/Emsor Foundation (Turst)</i>	15,000
School of Medicine (Grv)					
	Medicine Greenville				
		<i>Blenda, Anna</i>	<i>PRISMA Seed Grant: Determination of Minority-Inclusive Circular RNAs as Ethnicity-Specific Lung Cancer Biomarkers</i>	<i>Prisma Health</i>	18,000
		<i>Grier, Jennifer</i>	<i>PRISMA Seed Grant: Frequency Modulation of Tumor Treating Fields for Management of Glioblastoma: Precision Medicine in Oncology</i>	<i>Prisma Health</i>	20,000
		<i>Gyarmati, Peter</i>	<i>PRISMA Seed Grant: Identifying Causative Pathogens in Bloodstream Infections in Patients With Leukemia</i>	<i>Prisma Health</i>	15,000
		<i>Kennedy, Ann Blair</i>	<i>Understanding and Building Capacity for More Effective Community Based Participatory Research and Partnerships</i>	<i>Furman University/American Heart Association (AHA)</i>	68,750
		<i>Weeda, Erin</i>	<i>PRISMA Seed Grant: Characteristics and Outcomes among Rural Kidney Transplant Recipients</i>	<i>Prisma Health</i>	10,000
University of SC Aiken					
	AK Biology & Geology				
		<i>Shervette, Virginia</i>	<i>Collaborative Research and Capacity Building in the U.S. Caribbean via Investigating Queen Conch Life History and Resolving the Conch Age Conundrum</i>	<i>National Oceanic and Atmospheric Administration (NOAA)/DOC</i>	398,944
University of SC Beaufort					
	BFT Center for the Arts				
		<i>Hargrove, Bonnie</i>	<i>The University of South Carolina Beaufort Center for the Arts is requesting funding from the South Carolina Arts Commission for General Operating Support Fiscal 2025</i>	<i>SC Research Foundation (SCRF)/South Carolina Arts Commission</i>	21,179
	BFT Natural Sciences				
		<i>Montie, Eric</i>	<i>Bottlenose Dolphin Monitoring in the Port Royal Sound Area</i>	<i>Port Royal Sound Foundation</i>	15,000
	BFT Social Sciences				
		<i>Sawyer, Caroline</i>	<i>Books By The River Post-Production Completion & Podcast</i>	<i>S.C. Humanities/NEH</i>	4,800
University of SC Upstate					
	UPS Achieve				
		<i>Marshall, Elaine</i>	<i>SuRE OSP Seed Grant</i>	<i>University of Kentucky/NIH</i>	34,750
	UPS Psychology				
		<i>Barideaux, Kenneth</i>	<i>APA Teaching Workshop Support</i>	<i>American Psychological Foundation (APF)/David and Carol Myers Fund</i>	5,200