

## University of South Carolina — July 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				
		Mcnevin, Jessie			
			Conservation and Stewardship Series	City of Columbia/Bloomberg Philanthropies	\$ 5,000
Arnold School of Public Health					
	Center for Community Health Alignment				
		Smithwick, Julie			
			CCHA Community Health Worker Institute FY24 DOL Employment & Training Proposal	US Department of Labor	\$ 112,000
	Epidemiology & Biostatistics				
		Liu, Jihong			
			Community Health Worker Coaching to Reduce Cardiovascular Disease Risk among Women After a Hypertensive Disorder of Pregnancy	USC Educational Foundation/The Duke Endowment	\$ 653,000
	Exercise Science				
		Emerson, Dawn			
			(PI - Lucy McCann) Thermoregulatory differences among premenopausal female runners using and not using hormonal contraception	NATA Research & Education Foundation	\$ 1,000
		Hirsch, Katie			
			Pistachio Snacking and Metabolic Flexibility	American Pistachio Growers	\$ 99,990
College of Education					
	Child Development Res. Center				
		McDonald, Melissa			
			SC Child Care Resource & Referral PDG Grant Year 1	SC Department of Social Services (DSS)	\$ 66,500
	Educational & Developmental Science				
		Plotner, Tony			
			Project Invest: Maximizing Career Opportunities through Industry Recognized Credentials for College Students with Intellectual Disabilities: YEAR 2	SC Developmental Disabilities Council/HHS	\$ 53,566
	Teacher Education				
		Sanchez, Lenny			
			(PI - Anthonia Awhinawhi) Bridging the Gap: Understanding and Supporting the Reading Development of Bilingual Neurodivergent Adolescents	International Literacy Association	\$ 5,000
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		Sikirzhyski, Vitali			
			Zeiss LSM 980 with Airyscan2 for Biological Studies at the University of South Carolina	Office of the Director, National Institutes of Health (NIH)	\$ 749,362
Darla Moore School of Business					
	Moore Sch - Div. of Research				
		Ozturk, Orgul			
			Juvenile Incarceration, Long-Run Outcomes, and Family Spillovers	University of California - Riverside/Arnold Ventures, LLC.	\$ 120,210
Joseph F. Rice School of Law					

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	Law - Dean's Office				
		Samuels, Joel			
			International Law Enforcement Academies (ILEA) effectiveness and impact assessment study, subaward from NORC	National Opinion Research Center (NORC)/DOS	\$ 65,789
Koger Center					
	Koger Center				
		Magradey, Karen			
			Koger Center for the Arts 2025-2026 Season	SC Research Foundation (SCRF)/Richland County Government	\$ 6,000
			Open Arts Festival: Jazz	SC Research Foundation (SCRF)/Richland County Government	\$ 8,000
McCausland College of Arts and Sciences					
	Anthropology				
		Goldberg, Katherine			
			Acquisition of portable X-Ray Fluorescence Analyzer for USC's Center for Elemental Mass Spectrometry	SC EPSCoR	\$ 48,309
	Chemistry & Biochemistry				
		Peryshkov, Dmitry			
			Ambiphilic Phosphines Based on Redox-Active Carborane Clusters	National Science Foundation (NSF)	\$ 508,998
		Truex, Nicholas (Nick)			
			CAREER: Synthetic Protein Switches for Expanding the Folding Code	National Science Foundation (NSF)	\$ 500,000
	Geography				
		Goel, Varun			
			BMGF Climate Modeling	Ifakara Health Institute/Bill and Melinda Gates Foundation	\$ 118,000
	History				
		Kuenzli, Elisabeth			
			Sustaining Community Connections Grant	American Council of Learned Societies (ACLS)	\$ 2,000
	Mathematics				
		Ballard, Matthew			
			Collaborative Research: FRGMS: Multigraded Commutative Algebra, Toric Varieties, and Homological Mirror Symmetry	National Science Foundation (NSF)	\$ 137,739
		Dahmen, Wolfgang			
			Accuracy Controlled Optimization in Physics Informed Deep Learning	National Science Foundation (NSF)	\$ 249,949
	Philosophy				
		Kisner, Matthew			
			Strengthening Democracy and Trust with South Carolina Environmental Justice Communities	Henry Luce Foundation	\$ 200,000
	Physics & Astronomy				
		Jin, Rongying			
			Carl Zeiss - Single Crystal Fiber project	Carl Zeiss X-Ray Microscopy, Inc.	\$ 24,566
		Nadel-Turonski, Pawel			

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			Experimental studies of the 3D structure of nucleons and nuclei	National Science Foundation (NSF)	\$ 375,000
	Psychology				
		McDaniel, Heather			
			Comparing Cognitive-Behavioral Therapy versus Mindfulness-Based Therapy for Autistic Adults	University of Virginia/PCORI	\$ 52,784
		Roberts, Jane			
			Onset, Development and Consequences of Autonomic and Sensory Dysfunction in Autism Spectrum Disorder	National Institute of Mental Health (NIMH)/NIH	\$ 3,584,077
	School of Earth, Ocean & Env.				
		Hardy, Dean			
			Coastal Habitat Restoration on Sapelo Island for Flood Risk Reduction	University of Georgia Research Foundation (UGRF)/National Fish and Wildlife Foundation/NOAA/DOC	\$ 19,953
Molinaroli College of Engineering & Computing					
	Chemical Engineering				
		Meekins, Benjamin			
			JTEKT/Celadyne/SC-Fraunhofer Alliance: Bipolar Plate Manufacturing for Water Electrolyzers - Commerce Portion	SC Department of Commerce - Fraunhofer Program	\$ 123,750
		Regalbuto, John			
			IUCR Phase III at University of South Carolina: The Center for Rational Catalyst Synthesis (CeRCaS) - Lead Site	National Science Foundation (NSF)	\$ 250,000
		Ritter, James			
			Fabrication of a 4-Bed PSA Pilot Plant with Bi-Directional Valves	ColdStream Energy, LLC	\$ 265,000
		Shimpalee, Sirivatch			
			Establishment of a Vertically Integrated Domestic Manufacturing Process for Production of Nonwoven Carbon Papers Substrates Needed for Gas Diffusion Layers	AvCarb Material Solutions/DOE	\$ 458,000
			Development of a Single Electrochemical Sensor for Simultaneously Detecting Multiple Groups of Contaminants in Groundwater at the Savannah River Site	University of Nevada, Las Vegas (UNLV)/BSRA, LLC./DOE	\$ 87,500
	Computer Science & Engineering				
		Sheth, Amit			
			RII Track 2 FEC: Enabling Factory to Factory (F2F) Networking for Future	Clemson University/NSF	\$ 516,272
	Electrical Engineering				
		Altin, Necmi			
			Cyber Physical Systems Security Laboratory Development	Benedict College/SNRL	\$ 200,000
		Sahin, Alphan			
			CAREER: Over-the-Air Computation - Turning Wireless Networks into Computing Networks	National Science Foundation (NSF)	\$ 499,949
	Mechanical Engineering				
		Downey, Austin			
			Event Camera paired with Time-series AI to Enable In-Space Melt Pool Monitoring for Metal-based Additive Manufacturing	College of Charleston/SC Space Grant Consortium/NASA	\$ 20,000
		Sockalingam, Subramani			

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			A novel approach combining high-speed DIC and EFEM for characterizing high strain rate delamination response of composite materials	College of Charleston/SC Space Grant Consortium/NASA	\$ 20,000
Office of the Provost					
	USC Military Plan				
		Terry, Candace			
			Veteran and Military Center of Excellence - HUD	U.S. Department of Housing and Urban Development (HUD)	\$ 10,000,000
School of Medicine					
	Family & Preventive Medicine				
		Humphrey, Mark			
			Short-term Infrastructure-building Opportunity to Reduce the Community Burden of Hypertension Among Populations Impacted	Prisma Health-Midlands/American College of Preventive Medicine/CDC	\$ 4,852
	MDC Ctr Disability Resources				
		Rotholz, David			
			IMPACT SC Self-Advocacy Initiatives	SC Development Disabilities Council/HHS	\$ 41,447
	Neurology				
		Sen, Souvik			
			Telehealth-Enhanced Assessment and Management after stroke - Blood Pressure (TEAMS-BP)	Wake Forest/PCORI	\$ 446,093
	Pediatrics				
		Knight, Lisa			
			Data Coordinating and Operations Center for the ECHO IDeA States Pediatric Clinical Trials Network D4PD Protocol Chair	University of Arkansas for Medical Sciences(UAMS)/NIH	\$ 36,303
	Pharm., Physiology & Neuroscience				
		Pujhari, Sujit			
			Sex-Specific Epigenetic Reprogramming of Microglia in Zika Virus Infection	Augusta University/NIH	\$ 10,000
University of SC Aiken					
	AK Biology & Geology				
		Hancock, Charles Nathan			
			Collaborative Research: TR-Tech-PGR / PlantSynBio: Intragenic genome engineering for the next generation of improved plants	National Science Foundation (NSF)	\$ 451,139
	AK Library				
		Ennis, Lisa			
			Digital Humanities: Bridging the Humanities and STEM Through Research and Innovation	SC EPSCoR	\$ 32,530
	AK Mathematical Sciences				
		Paul, Titan			
			Acquisition of Differential Scanning Calorimetry (DSC) for Thermal Analysis of Advanced Materials at USC Aiken	SC EPSCoR	\$ 49,990
University of SC Sumter					
	SMT PALMETTO COLLEGE				
		Rosdail, Lisa			
			Student Support Services Program	US Department of Education (USDE)	\$ 1,742,575