

University of South Carolina — October 2025 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	Environmental Health Sciences				
		Porter, Dwayne			
			Operational Support of the National Estuarine Research Reserve System Centralized Data Management Office and Enhancements to the System-Wide Monitoring Program	National Oceanic and Atmospheric Administration (NOAA)/DOC	\$ 880,967.00
			Continuing Support for the Florida Aquatic Preserves Continuous Water Quality Monitoring Program Data Management, Training and Data Portal	Florida Department of Environmental Protection/State of Florida	\$ 445,915.00
	Exercise Science				
		Beets, Michael			
			Efficacy of Center-based Childcare to Mitigate Unhealthy Weight Gain in Preschoolers from Low-income Households During the Summer	National Institute of Child Health & Human Development (NICHD)/NIH	\$ 3,116,208.00
		Yang, Chih-Hsiang (Jason)			
			Optimizing and Projecting Lifestyle Behavioral Interventions to Sustain Long-term Health Behaviors and Outcomes in Focus Populations (SIP 25-004: Lifestyle Change Implementation Research Network)	Centers for Disease Control and Prevention (CDC)/HHS	\$ 498,623.00
	Health Prom., Educ. & Behavior				
		Bornstein, Marta			
			(PI - Arielle N'Diaye) Understanding Differences in Reproductive Health Care Access and Preference-aligned Contraceptive Care Provision Among Black Bisexual and Heterosexual Women in the South	Society of Family Planning	\$ 7,500.00
		Larson, Leila			
			Impact of combined nutrition, responsive parenting, and health intervention on childhood development (BUNDLE) study	National Institute of Child Health & Human Development (NICHD)/NIH	\$ 2,725,228.00
	Health Services Policy & Mgmt				
		Olatosi, Bankole			
			(Syeda Akhtar - PI) Wastewater-Based Surveillance of Sexually Transmitted Infections in South Carolina	America Sexually Transmitted Diseases Association (ASTDA)	\$ 5,000.00
	PASOS				
		Martin, Maria			
			DPH-MCHB and PASOs Partnership	SC Department of Public Health (DPH)/HRSA/HHS	\$ 600,000.00
College of Education					
	Educational & Developmental Science				
		Plotner, Tony			
			Postsecondary Access and Learning (PAL)	SC Vocational Rehabilitation Department (SCVRD)	\$ 504,000.00
	Leadership, Learning Design, & Inquiry				
		Arslan-Ari, Ismahan			
			VIA-LLM: Visually Impaired Assistive Tool with LLM reasoning	Clemson University/SC EPSCoR	\$ 5,518.00
	Research, Eval., & Measurement				
		Dickenson, Tammiee			
			Evaluation of the Young Men United Program Year 4	United Way of the Midlands	\$ 65,500.00
	Teacher Education				

University of South Carolina — October 2025 New Grant Awards Report

		Vogler, Kenneth			
			Our Founding Principles: Preparing Educators for America's Semiquincentennial and Beyond	US Department of Education (USDE)	\$ 2,179,517.00
College of Information & Comm.					
	School of Information Sciences				
		Mohammadi, Ehsan			
			Region 2 Regional Medical Library, NNLM	Medical University of South Carolina(MUSC)/Network of the National Library of Medicine (NNLM)/NIH	\$ 19,993.00
Darla Moore School of Business					
	Moore Sch - Div. of Research				
		Von Nessen, Joseph			
			The Economic Impact of Palmetto Goodwill	Palmetto Goodwill	\$ 60,000.00
Division of Student Affairs					
	Substance Abuse and Prevention				
		Hourigan, Aimee			
			Collegiate Recovery Program	SC Department of Alcohol & Other Drug Abuse Services (SC DAODAS)	\$ 170,000.00
Facility Services					
	Facilities Services				
		Lambert, Jason			
			FY25 SCEO Mini-Grant for two electric vehicles	SC State Energy Office/DOE	\$ 25,000.00
Hosp., Retail, & Sport Mgmt					
	Hotel, Restaurant & Tour Mgmt				
		Holladay, Patrick			
			Empowering Agritourism Service Providers to Strengthen Agritourism Programs as a Farm Diversification Strategy to Enhance Beginning Farmers and Ranchers Success	West Virginia University/ (WVU)USDA	\$ 25,288.00
McCausland College of Arts and Sciences					
	Anthropology				
		Schreiner, Nina			
			Rehabilitating and Exhibiting Maritime Archaeological Collections from Coastal South Carolina	SC Department of Archives and History (SCDAH)/NPS/DOI	\$ 540,000.00
		Weik, Terrance			
			Cedar Creek Community Graveyard Preservation	Richland County Conservation Commission - Richland County	\$ 26,648.00
	Biological Sciences				
		Twiss, Jeffery			
			Targeting Axon Intrinsic Pathways to Accelerate Regeneration and Promote Neuroprotection	SC Research Foundation (SCRF)/Dr Miriam and Sheldon G Adelson Medical Research Foundation (AMRF)	\$ 399,097.00
	Chemistry & Biochemistry				
		He, Lijian			

University of South Carolina — October 2025 New Grant Awards Report

			ICP-MS detection of lead in sweet potato	US Department of Agriculture (USDA)	\$ 99,000.00
		zur Loye, Hans-Conrad			
			Developing the Chemistry of Np, Pu, and Am Containing Extended Oxide Structures	US Department of Energy (DOE)	\$ 693,004.00
	Criminology & Criminal Justice				
		Mourtgos, Scott			
			An Evaluation of Drone as First Responder Programs in U.S. Policing	Arnold Ventures, LLC.	\$ 291,536.00
	Geography				
		Wang, Sicheng			
			Optimizing SCDOT's Permitting, Mitigation, and Compliance Systems to Improve Project Delivery	SC Department of Transportation (SCDOT)	\$ 799,999.00
	Mathematics				
		Ballard, Matthew			
			AI for Math Proposal	SC Research Foundation (SCRF)/Renaissance Philanthropy Fund	\$ 191,453.00
	Psychology				
		Bradshaw, Jessica			
			Predicting Late Talkers in Infants who are at Elevated Familial Likelihood for Autism	University of Minnesota/NIDCD/NIH	\$ 32,532.00
		Roberts, Jane			
			Translation of the FMR1 Premutation Phenotypes Across the Lifespan	National Institute of Child Health & Human Development (NICHD)/NIH	\$ 6,360,269.00
Molinaroli College of Engineering & Computing					
	Biomedical Engineering				
		Uline, Mark			
			Novel Acute Stress Quantification During Pilot Training Via Volatile Organic Compounds	Air Force Research Laboratory (AFRL)/DOD	\$ 339,605.00
	Chemical Engineering				
		Heyden, Andreas			
			Development of Ferromagnetic Catalysts through Spin Manipulation for On-Demand Hydrogen Production	DOE EPSCOR	\$ 2,499,999.00
		Peng, Zhenmeng			
			Flow-cell Assisted Ion Removal and Recovery (FAIR2) Technology for Efficient Nutrient Management of Hydroponic Wastewater	WaterUS LLC/USDA	\$ 35,000.00
		Shimpalee, Sirivatch			
			Prismatic TRISO Fuel Element Volume Reduction	US Department of Energy (DOE)	\$ 75,000.00
		Taheri-Qazvini, Nader			
			DT-Enabled MXene-based Flexible Sensors for Wrist Rehabilitation Monitoring	SC EPSCoR	\$ 70,000.00
	Computer Science & Engineering				
		Fu, Peng (Frank)			
			Quantum Computing	SC Quantum	\$ 12,173.00
		O'Reilly, Christian			
			National Research Training Platform (NRTP)	The Royal Institution for the Advancement of Learning/McGill University/Azrieli Foundation	\$ 27,774.00
		Valafar, Homayoun			

University of South Carolina — October 2025 New Grant Awards Report

			Columbia Airport Hybrid Ecosystem Analysis - Phenogy	Phenogy Inc.	\$ 31,379.00
	Mechanical Engineering				
		Shazly, Tarek			
			Matrix 1 - Small scale -- Devro portion	Devro Inc.	\$ 35,806.00
School of Medicine					
	Internal Medicine				
		Hucks, Jennifer			
			Adult CF Center - Midlands (25-26)	Prisma Health-Midlands/Cystic Fibrosis Foundation	\$ 34,073.00
	MDC Ctr Disability Resources				
		Rotholz, David			
			South Carolina Assistive Technology Program Leadership Conference (ATLC)	SC Developmental Disabilities Council/ACL/HHS	\$ 3,500.00
	Neurology				
		Bonilha, Leonardo			
			Transcranial Direct Current Stimulation to Treat Aphasia: A Superiority Study	National Institute on Deafness and Other Communication Disorders (NIDCD)/NIH	\$ 5,880,204.00
	Neuropsychiatry				
		Narasimhan, Meera			
			SC Behavioral Health Initiative Evaluation	Prisma Health - Midlands/SCCRPH/SCDHHS	\$ 72,800.00
	Pharm., Physiology & Neuroscience				
		Frizzell, Norma			
			Anaplerotic odd-chain fatty acid therapy for the treatment of Leigh Syndrome	United Mitochondrial Disease Foundation (UMDF)	\$ 100,000.00
University of SC Aiken					
	AK School of Education				
		Beck, Judy			
			Project CREATE 25-26	SC Department of Education (SCDE)	\$ 200,934.00
		Martin, Melissa			
			USCA LIFE & DD Council	SC Developmental Disabilities Council/ACL/HHS	\$ 20,000.00
University of SC Lancaster					
	LAN PALMETTO COLLEGE				
		Criswell, Stephen			
			Partnership with SC Arts Commission for SC Folk Heritage Award Management	SC Arts Commission	\$ 15,000.00
University of SC Union					
	UN PALMETTO COLLEGE				
		Conley, Carolyn			
			Union County STEM Bus: Driving Innovation and Opportunity	Appalachian Regional Commission (ARC)	\$ 232,000.00
University of SC Upstate					

University of South Carolina — October 2025 New Grant Awards Report

	UPS Academic Affairs Admin				
		Waldrop, Susannah			
			Avanzando Through College 2025-2026	UnidosUS	\$ 15,000.00
	UPS Human Perform and Hlth				
		Pae, Holly			
			Project CREATE 2025-26	SC Department of Education	\$ 142,709.00