

University of South Carolina — September 2025 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	Communication Sci & Disorders				
		Neils-Strunjas, Jean			
			SC CREATE 2026	SC Department of Education (SCDE)	\$ 402,200.00
	Environmental Health Sciences				
		Sabo-Attwood, Tara			
			Sub to UF/FLDOH - Inhalation of algae and toxins associated with harmful algal blooms and novel mechanisms of pulmonary toxicity and respiratory health	University of Florida/Florida Department of Health (FDOH)	\$ 139,908.00
	Epidemiology & Biostatistics				
		Boghossian, Nansi			
			Impact of 12-month Postpartum Insurance Extensions on Maternal and Newborn Health	National Institute of Child Health & Human Development (NICHD)/NIH	\$ 1,664,038.00
	Health Prom., Educ. & Behavior				
		Fowler, Lauren			
			A mixed methods approach to understanding obesity risk among sexual minority women	National Institute on Minority Health and Health Disparities (NIMHD)/NIH	\$ 447,492.00
		Ghattas, Hala			
			(PI: Tremaine T. Sails-Dunbar) Health Policy Research Scholars Dissertation Award	Robert Wood Johnson Foundation (Johns Hopkins University)	\$ 5,115.00
		Larson, Leila			
			Using big data to understand the influence of extreme weather events on child health and development in the USA	National Institute of Child Health & Human Development (NICHD)/NIH	\$ 378,140.00
		Thrasher, James			
			Foreign Subaward Component of Project 10014445: Building Stochastic Actor-Oriented Models to investigate social network influences on youth nicotine product use transitions and to simulate different intervention effects across contexts	National Cancer Institute (NCI)/NIH	\$ 497,696.00
College of Education					
	Child Development Res. Center				
		Googe, Heather			
			2025 South Carolina Early Childhood Inclusion Conference	SC Developmental Disabilities Council/HHS	\$ 20,000.00
	Educational & Developmental Science				
		Wolfe, Katie			
			Support for the M.Ed. in APPLIED BEHAVIOR ANALYSIS (ABA)	SC Department of Health and Human Services (SC DHHS)	\$ 651,958.00
	Research, Eval., & Measurement				
		Lewis, Ashlee			
			South Carolina Arts Assessment Program (FY26)	South Carolina Department of Education (SCDE)	\$ 84,000.00
College of Pharmacy					
	Drug Discovery & Biomed Sci.				

University of South Carolina — September 2025 New Grant Awards Report

		McInnes, Campbell			
			Subcontract from PPI Pharma to USC: Investigating Abbapolin PLK1 Polo-Box Domain inhibitors as potential therapeutics for colorectal cancers	PPI Pharmaceuticals, LLC (PPI)/NCI/NIH	\$ 200,091.00
	Pharm - Clin Pharm & Outcomes Sciences				
		Barfield, Reagan			
			The advancement of a post-graduate outpatient pharmacy training model in South Carolina to enhance chronic care management, research, and service line expansion in rural and medically underserved communities	SC Center for Rural and Primary Healthcare/SCDHHS	\$ 1,389,293.00
Darla Moore School of Business					
	Moore Sch - Div. of Research				
		Von Nessen, Joseph			
			Brookfield Properties: Economic Impact of Nexton	NASH-Nexton Holdings, LLC	\$ 85,550.00
			NP Strategy: The Economic Impact of Westinghouse	NP Strategy	\$ 35,000.00
	Small Business Dev. Ctr.				
		Abraham, Michele			
			SC Small Business Development Centers Program Announcement - SBA 2025 Funding Opportunity	US Small Business Administration (SBA)	\$ 897,635.00
Hosp., Retail, & Sport Mgmt					
	Hotel, Restaurant & Tour Mgmt				
		Basurto, Estefania			
			International Cooperation Grant: The RISE: Research, Internationalization, Support, and Education Proposal	ESPAM-MFL (Escuela Superior Politecnica Agropecuaria de Manabi - Manuel Felix Lopez)	\$ 166,913.00
Joseph F. Rice School of Law					
	Children's Law Center				
		Mathison, Mike			
			AECF - Teaming for Teams – Legal Strat. Development for SC - Support the design and implementation of strategies with legal stakeholders to prevent unnecessary entry of teens into foster care in South Carolina	Annie E. Casey Foundation	\$ 75,000.00
McCausland College of Arts and Sciences					
	Baruch Institute				
		Smith, Erik			
			NERR Capacity Building: ACE Basin Round 2	SC Department of Natural Resources (SCDNR)/NOAA/DOC	\$ 105,017.00
			North Inlet - Winyah Bay National Estuarine Research Reserve FY25 Operations Award	National Ocean Service (NOS) Office for Coastal Management (OCM)/NOAA/DOC	\$ 880,967.00
		Stewart, Jill			
			Eco-evolutionary dynamics of Escherichia coli in an island system: Environmental drivers of waterborne urinary tract infections	Fogarty International Center/NIH	\$ 3,000,004.00
	Chemistry & Biochemistry				
		Shustova, Natalia			
			Hybrid Well-Defined Stimuli-Responsive Materials	National Science Foundation (NSF)	\$ 539,896.00
	Mathematics				
		Dutta, Uttaran			
			Uttaran Dutta Simons Dissertation Fellowship in Mathematics	The Simons Foundation International, Ltd . (SFI)	\$ 38,400.00

University of South Carolina — September 2025 New Grant Awards Report

		Luo, Ruth			
			Collaborations in extremal problems for graphs and hypergraphs	The Simons Foundation International, Ltd . (SFI)	\$ 42,000.00
	Physics & Astronomy				
		Lopez Rodriguez, Enrique			
			A new view of magnetic fields in the early universe	National Science Foundation (NSF)	\$ 357,765.00
		Wu, Yanwen			
			Identifying superconducting pairing and hidden symmetries using SHG polarimetry	National Science Foundation (NSF)	\$ 746,200.00
	Political Science				
		Liu, Howard (Hao)			
			Collaborative Research: Advancing quantitative methods for the study of georelational dynamics in contentious politics	National Science Foundation (NSF)	\$ 150,914.00
	Psychology				
		Edmunds, Sarah			
			Family-Centered Implementation of Parent Training for Emotion Regulation in Autistic Toddlers within the Part C Early Intervention System	National Institute of Mental Health (NIMH)/NIH	\$ 654,082.00
	School of Earth, Ocean & Env.				
		Wilson, Alicia			
			LTER: Georgia Coastal Ecosystems-V	University of Georgia/NSF	\$ 162,173.00
Molinaroli College of Engineering & Computing					
	Chemical Engineering				
		Mustain, William			
			Alkaline stable, non-porous, anion exchange ionomer and membrane separator scale-up for liquid alkaline electrolysis	Ionomr/DOE	\$ 1,191,972.00
			Battery Innovation – UofSC	US Department of Energy (DOE)	\$ 2,160,000.00
		Taheri-Qazvini, Nader			
			3D Bioprinting Shared Facility for Advancing Interdisciplinary Research at the University of South Carolina	Office of the Director - National Institutes of Health (NIH)	\$ 256,929.00
	Computer Science & Engineering				
		Farkas, Csilla			
			2025-2026 DoD Cyber Service Academy Application, University of South Carolina	US Department of Defense (DOD)	\$ 965,700.00
	Electrical Engineering				
		Ahmad, Iftikhar			
			Quantum Frontiers in Environmental Monitoring: Integrating Quantum Fourier Transform and Quantum Entanglement for Superior Data Analysis	Benedict College/DOE	\$ 125,057.00
	Mechanical Engineering				
		Chen, Fanglin			
			Space Grant Campus Director	College of Charleston/SC Space Grant Consortium/NASA	\$ 2,000.00
		De Backer, Wout			
			Process Modeling of Vitrimers Patch Repair for Complex Composite Surfaces	Maher & Associates d/b/a Maher Advanced Manufacturing/ONR/DOD	\$ 56,000.00
		Huang, Kevin			

University of South Carolina — September 2025 New Grant Awards Report

			Understanding the Corrosion Mechanisms of Ferritic Stainless Steels in Reversible Solid Oxide Fuel Cells Operated under High Temperature and Steam Conditions	Save Mother Earth, LLC/DOE	\$ 120,000.00
		Zhou, Caizhi			
			EPSCoR Research Fellows: NSF: Probing Deformation Mechanisms in Heterogeneous Lamellar Metals for Breaking the Strength-Ductility Trade-off Condition	National Science Foundation (NSF)	\$ 299,985.00
School of Medicine					
	MDC Ctr Disability Resources				
		Rotholz, David			
			South Carolina Assistive Technology Program AAC Clinic	SC Developmental Disabilities Council/ACL/HHS	\$ 2,500.00
	Neuropsychiatry				
		Thornhill, Joshua			
			PDMHSEC Support of the USCSOM Associate Dean for Medical Student Education – Florence	Pee Dee Medical & Health Sciences Education Consortium/SC DHHS	\$ 213,937.00
	Pediatrics				
		Stephenson, Kathryn			
			Strengthening the Carolina's Collaborative to Address Disparities in Child Mental Health Across the Carolinas	Prisma Health - Midlands/Institute for Child Success	\$ 46,250.00
	Pharm., Physiology & Neuroscience				
		dos Santos, Raoni			
			The Role of NTS-NE Neurons in the Pathophysiology of Depression and Social Deficits	Brain and Behavior Research Foundation	\$ 70,000.00
University of SC Lancaster					
	LAN PALMETTO COLLEGE				
		Ammons, Robert			
			Student Support Services (Scholarships - Grant in Aid)	US Department Of Education (USDE)	\$ 1,518,795.00
		Criswell, Stephen			
			Native American Drumming Performance Series	SC Arts Commission	\$ 5,000.00