

University of South Carolina - September 2022 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	<i>Communication Sci & Disorders</i>				
		<i>Friedman, Laura</i>			
			<i>Neuropsychological Profiles and Risk for Dementia-Related Disease in Mothers of Children with Autism Spectrum Disorder</i>	National Institute on Aging (NIA)/NIH	\$ 214,578
	<i>Environmental Health Sciences</i>				
		<i>Cai, Guoshuai</i>			
			<i>Copy Number Variation and Lung Cancer: Disease Risk and Mechanisms</i>	University of Florida/NHGRI/NIH	\$ 44,223
		<i>Kloot, Robin</i>			
			<i>Using Livestock Integration and Adaptive Multi-paddock Grazing to Enhance Soil Carbon Uptake and Improve Soil Health</i>	Natural Resources Conservation Service (NRCS)/USDA	\$ 199,927
		<i>Scott, Geoffrey</i>			
			<i>Subaward to CoC - Investigating Trophic Exposure to Marine Microplastics and Plasticizers in a Sentinel Species and the Implications for Food Safety</i>	College of Charleston/NIH	\$ 30,000
	<i>Epidemiology & Biostatistics</i>				
		<i>Liu, Jihong</i>			
			<i>Healthy Start Initiative: Eliminating Disparities in Perinatal Health</i>	Prisma Health - Midlands/HRSA	\$ 99,068
	<i>Health Services Policy & Mgmt</i>				
		<i>Hung, Peiyin</i>			
			<i>Mitigating effects of telehealth uptake on disparities in maternal care access, quality, outcomes, and expenditures during the COVID-19 pandemic</i>	National Institute of Child Health & Human Development (NICHD)/NIH	\$ 3,051,433
		<i>Liang, Chen</i>			
			<i>Informatics Approach to Identification and Deep Phenotyping of PASC Cases</i>	National Institute of Allergy and Infectious Diseases (NIAID)/NIH	\$ 398,311
	<i>PASOS</i>				
		<i>Martin, Maria</i>			
			<i>PASOs Connections for Childhood Development and First Steps</i>	SC First Steps/SCDSS	\$ 147,588
			<i>Building Health Equity by Improving Vaccine Access in Latino Communities - CDC Foundation Grant</i>	CDC Foundation/CDC/HHS	\$ 100,000
College of Arts and Sciences					
	<i>Archaeology & Anthropology</i>				
		<i>Smith, Steven</i>			
			<i>Archaeological Recovery At Camden Battlefield</i>	South Carolina Battleground Trust, Inc.	\$ 87,646
	<i>Biological Sciences</i>				
		<i>Senner, Nathan</i>			
			<i>Multi-Source Detection and Monitoring of Ephemeral Shorebird Habitats in an Agricultural Prairie System</i>	Science Mission Directorate (SMD)/NASA	\$ 92,564
		<i>Weishhans, Kristy</i>			
			<i>Coordinated control of local translation mediates brain development</i>	Whitehall Foundation, Inc.	\$ 100,000
	<i>Chemistry & Biochemistry</i>				
		<i>Chen, Donna</i>			
			<i>Design of New Catalysts for the Generation of Clean H2 from Liquid Organic Hydrogen Carriers: Dehydrogenation of Methylcyclohexane on Bimetallic Catalysts</i>	Department of Energy (DOE)	\$ 3,181,725
		<i>Stefik, Morgan</i>			
			<i>Understanding the Role of Defects to Accelerate Wadsley-Roth Niobates for Long-Duration Energy Storage</i>	US Department of Energy (DOE)	\$ 850,000
	<i>Geography</i>				
		<i>Cutter, Susan</i>			
			<i>Society of Woman Geographers Fellowship Agreement for Sarah L. Jackson</i>	Society of Woman Geographers	\$ 12,000
			<i>Identification of Disadvantaged and Low-Capacity Communities Subject to Wildfire Risks</i>	National Aeronautics and Space Administration (NASA)	\$ 120,000
	<i>History</i>				
		<i>Lekan, Thomas</i>			
			<i>National Humanities Center "Conservation by Slaughter": Wildlife Utilization and the African Origins of Sustainable Development</i>	National Humanities Center	\$ 40,000
	<i>Psychology</i>				
		<i>Brown, Michelle</i>			
			<i>Beneficial or Fostering Future struggles (B.F.F.s)? Characterizing the Role of Friends in the Developmental Trajectory of Maltreated Adolescent</i>	National Institute of Child Health & Human Development (NICHD)/NIH	\$ 713,152
		<i>Shinkareva, Svetlana</i>			
			<i>An fMRI Investigation of Mental Imagery and Visual Correlates of Triggers in Misophonia</i>	The REAM Foundation dba Misophonia Research Fund	\$ 400,000
		<i>Weist, Mark</i>			
			<i>Equity-Enhancements to Reduce Disproportionate Unmet Mental Health Need of African American Children</i>	University of Florida/PCORI	\$ 43,348
College of Education					
	<i>Educational Studies</i>				

		Samudre, Mark			
			Behavioral Alliance of South Carolina	Clemson University/SCDE	\$ 489,737
College of Engineering & Comp.					
	Chemical Engineering				
		Jalilvand, Golareh			
			Fraunhofer: Sotera Cellulose-Based Separator Technology for Rechargeable Lithium Metal Batteries	Sotera Battery Innovation Group	\$ 60,000
			Fraunhofer: DoC - Cellulose-Based Separator Technology for Rechargeable Lithium Metal Batteries	SC Fraunhofer USA Alliance (SCFUSA) Program - SC Department of Commerce	\$ 60,000
		Mustain, William			
			ONR - Development, Assessment and Simulation of Enabling Fuels for Naval Decarbonization	Office of Naval Research (ONR)/DOD	\$ 3,000,000
		Shimpalee, Sirivatch			
			Service Proposal: Spinner Simulation Model to Predict the Coating Layers on Stage 2 Nozzles	Advanced Ceramic Coatings, LLC	\$ 57,668
Civil & Environmental Eng.					
		Chaudhry, M.			
			Modeling dam and levee breach and the impact of hydraulic structures on channel routing and flood inundation	University of Alabama/NOAA	\$ 729,571
		Ziehl, Paul			
			HiCam: P1.TPC.TDA.01: Thermoplastic Composites	National Aeronautics and Space Administration (NASA)	465187
Computer Science & Engineering					
		Farkas, Csilla			
			Department of Defense Cyber Scholarship Program Recruitment Scholarships Proposal University of South Carolina, Columbia	Department of Defense (DOD)	\$ 117,594
IIT - Engineering					
		Wu, Dezhi			
			Testing the feasibility and acceptability of social media and digital therapeutics to decrease vaping behaviors	Washington University/NIDA/NIH	\$ 164,870
Mechanical Engineering					
		Banerjee, Sourav			
			HiCam: P1.NDE.TDA.01: Non-Destructive Evaluation	National Aeronautics & Space Administration (NASA)	\$ 172,847
		Harik, Ramy			
			HiCAM: P1.DFM.TDA.01: Design for Manufacturing PI: Theodoros Tarekgn: Developing Industrial Internet-of-Things (IIoT) Connectivity Hardware to Enable Factory to Factory (F2F) Networking for Future Manufacturing Applications	National Aeronautics & Space Administration (NASA)	\$ 113,746
				College of Charleston/SC Space Grant Consortium/NASA	\$ 16,000
		Li, Chen			
			ISS: Transient Behavior of Flow Condensation and Its Impacts on Condensation Rate	National Science Foundation (NSF)	\$ 400,000
		Yuan, Lang			
			MIST 2022-23: Exploring Metallic Porous Materials Through Laser Powder Bed Fusion Additive Manufacturing (PI: Mina Schaafsma)	College of Charleston/SC Space Grant Consortium/NASA EPSCoR	\$ 7,500
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		McInnes, Campbell			
			Determining and targeting mechanisms controlling cancer cell division	University of California, Santa Cruz/NCI/NIH	\$ 309,175
		Porcu, Alessandra			
			Effects of light exposure on amygdala plasticity during adolescence: implications for anxiety and well-being	National Center for Complementary & Integrative Health (NCCIH)/NIH	\$ 746,632
		Xu, Peisheng			
			Subcontract with MUSC: Computational model of targeted drug delivery	Medical University of South Carolina (MUSC)/NIH	\$ 251,785
Pharm - Clin Pharm & Outcomes Sciences					
		Maxwell, Whitney			
			Pharmacy Advancement in Rural Experiential Development for a Rural health Education And Career enhancement Track ("PAIRED for REACH")	SC Center for Rural and Primary Healthcare, UofSC School of Medicine Educational Trust/SCDHHS	\$ 200,000
College of Social Work					
	Child and Family Studies, Center for				
		Baughman, Amber			
			CASA Fostering Futures Initiative Literature Review Proposal	National Court Appointed Special Advocates (CASA) & Guardian ad Litem (GAL)/DOJ	\$ 6,037
		Reese, Lenora			
			Contract Between South Carolina Department of Health and Human Services and University of South Carolina College of Social Work, Center for Child and Family Studies for the Purchase and Provision of Eligibility, Enrollment and Member Services Training	South Carolina Department of Health and Human Services	\$ 1,547,086
Social Work - Dean's Office					
		Doering-white, John			
			Mapping Systems of Care	Lutheran Immigration and Refugee Service (LIRS)	\$ 105,172
		Levkoff, Sue			
			ADAR Summit Meeting	National Institute on Aging (NIA)/NIH	\$ 99,086
Darla Moore School of Business					
	Moore Sch - Div. of Research				

		<i>Becerril Arreola, Rafael</i>			
			<i>Exploring disparate impact in online retailing</i>	Washington Center for Equitable Growth	\$ 85,000
Enrollment Management					
	<i>TRIO Programs</i>				
		<i>Counts, Althea</i>			
			<i>The University of South Carolina Ronald E. McNair Post-baccalaureate Program</i>	U.S. Department of Education (USDE)	\$ 1,391,120
School of Medicine					
	<i>Internal Medicine</i>				
		<i>Al-hasan, Majdi</i>			
	<i>MDC Ctr Disability Resources</i>		<i>Antimicrobial Stewardship Collaborative of South Carolina (ASC-SC): TeleECHO</i>	Prisma Health - Midlands/SCCRPH/SCDHHS	179596
		<i>Rotholz, David</i>			
			<i>Team for Early Childhood Solutions Data System Management and Compliance Indicator Analysis</i>	SC Department of Health and Human Services/HHS	\$ 445,000
	<i>Path, Microbio. & Immunology</i>		<i>2023 SC Assistive Technology Expo</i>	SC Developmental Disabilities Council (SCDDC)/HHS	\$ 5,000
		<i>Kubinak, Jason</i>			
			<i>Humoral immunodeficiency disrupt bile acid-induced immune tolerance in the small intestine</i>	National Institute of Allergy & Infectious Diseases (NIAID)/NIH	\$ 246,504
University Libraries					
	<i>Univ Libraries - Dean's Office</i>				
		<i>Boyd, Kate</i>			
			<i>On The Books in South Carolina</i>	UNC Chapel Hill/Mellon Foundation	\$ 54,869
University of SC Aiken					
	<i>AK Sociology</i>				
		<i>Johnson, Melencia</i>			
			<i>University of South Carolina Aiken Providing Subject Matter Expertise in Designing a Mock Community to US Department of Energy via Savannah River National Laboratory</i>	Battelle Savannah River Alliance, LLC/SRNL/DOE	\$ 40,733
University of SC Lancaster					
	<i>Lancaster</i>				
		<i>Catledge, Courtney</i>			
			<i>CNA to BSN Pathway to Enhance the Healthcare Workforce in Rural South Carolina</i>	SC Center for Rural and Primary Healthcare, UofSC School of Medicine Educational Trust/SCDHHS	\$ 189,934
		<i>Criswell, Stephen</i>			
			<i>Native American Studies Center 10th Anniversary Celebration: Traditional Artist Demonstrations</i>	SC Arts Commission	6000
University of SC Upstate					
	<i>UPS Human Perform and Hlth</i>				
		<i>Pae, Holly</i>			
			<i>Project CREATE 2022-23</i>	SC Department of Education (SCDE)	\$ 28,106