

University of South Carolina — January 2022 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
<i>Academic Support Services</i>					
	<i>OFFICE OF SUSTAINABILITY</i>				
		<i>Cook, Larry</i>	<i>DHEC Collegiate Recycling Grant Application for Fiscal Year 2022</i>	SC Department of Health and Environmental Control (DHEC)	\$ 10,000
<i>Arnold School of Public Health</i>					
	<i>Applied Research & Evaluation (CARE)</i>				
		<i>Macauda, Mark</i>	<i>Covid 1807 Supplement Evaluation Services</i>	Spartanburg School District No. 7/CDC	\$ 45,000
			<i>Evaluation of Adolescent Healthcare Services in Spartanburg County</i>	Spartanburg Regional Foundation/Duke Endowment	\$ 84,000
	<i>Center for Community Health Alignment</i>				
		<i>Smithwick, Julie</i>	<i>Bringing Communities Together to Achieve Health Equity</i>	SC Research Foundation (SCRF)/Johnson and Johnson Foundation	\$ 218,000
	<i>Environmental Health Sciences</i>				
		<i>Porter, Dwayne</i>	<i>Florida Aquatic Preserves Continuous Water Quality Monitoring Training and Data Portal</i>	Florida Department of Environmental Protection/State of Florida	\$ 65,000
		<i>Vejerano, Eric Warren</i>	<i>CAREER: Reactions of volatile organics in aerosol particles as a source of persistent free radicals</i>	National Science Foundation (NSF)	\$ 608,794
	<i>Exercise Science</i>				
		<i>Flach, Alicia</i>	<i>Optimizing Reach and Sustainability of PD REV+, an Established Community Program for People Living with Parkinson's Disease and their Care Partners</i>	Parkinson's Foundation	\$ 10,000
		<i>Moore, Robert</i>	<i>IPA Agreement with Dorn VA Medical Center - Kiersten Mangold</i>	WJB Dorn VA Medical Center/VA	\$ 19,983
	<i>Health Prom., Educ. & Behavior</i>				
		<i>Draper, Carrie</i>	<i>Project 2. Library Nutrition Support Implementation</i>	SC Department of Social Services (SCDSS)/USDA	\$ 96,267
			<i>Project 3. FoodShare SC</i>	SC Department of Social Services (SCDSS)/USDA	\$ 193,987
			<i>Project 4. State Food Policy Council</i>	SC Department of Social Services (SCDSS)/USDA	\$ 198,941
		<i>Li, Xiaoming</i>	<i>Mitigate the effect of HIV-related stigma through a resilience approach</i>	National Institute of Mental Health (NIMH)/NIH	\$ 3,010,294
		<i>Thrasher, James</i>	<i>Strengthening Cigar Warnings to Prevent Adolescent Use</i>	UNC-Chapel Hill/Wake Forest/NIH	\$ 56,998
	<i>Health Services Policy & Mgmt</i>				
		<i>Hung, Peiyin</i>	<i>Environmental Scan of South Carolina Healthcare Providers' Adoption and Use of Certified Electronic Health Records (EHR) Technology</i>	SC Department of Health and Human Services	\$ 100,000

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	PASOS				
		Martin, Maria	PASOs-DHEC Vaccine Outreach	SC Department of Health & Environmental Control (DHEC)/CDC/HHS	\$ 200,000
College of Arts and Sciences					
	Chemistry & Biochemistry				
		Outten, Caryn	Mechanisms of Fungal Iron Regulation and Thiol Redox Metabolism	National Institute of General Medical Sciences (NIGMS)/NIH	\$ 1,925,290
	Criminology & Criminal Justice				
		Alpert, Geoffrey	An Evaluation of De-Escalation Training to Understand the Links between Training and Outcomes	Clemson University/OJP/DOJ	\$ 65,650
	Sociology				
		Henderson-Platt, Andrea	Structural Racism and Adverse Birth Outcomes in the US South: A Multigenerational Perspective.	The Regents of the University of Michigan/NIH	\$ 89,115
College of Education					
	Education - Dean's Office				
		Van Buren, Cindy	NIET Supporting Effective Educator Development	National Institute for Excellence in Teaching (NIET)/SCPLN/USDE	\$ 10,000
College of Engineering & Comp.					
	Chemical Engineering				
		Heyden, Andreas	EFRI E3P: Hydrogenolysis for upcycling of polyesters and mixed plastics	University of Colorado, Boulder/NSF	\$ 440,000
		Mustain, William	Component Development for Alkaline URFCs	Savannah River National Laboratory (SRNL)/DOE	\$ 120,000
	Civil & Environmental Eng.				
		Huynh, Nathan	Reducing Crash Risk at Work Zones in South Carolina	SC Department of Transportation (SCDOT)/FHWA	\$ 250,879
			Streamlining Permitting and Mitigation Processes to Improve SCDOT Project Delivery	SC Department of Transportation (SCDOT)/FHWA	\$ 442,281
	Electrical Engineering				
		Dougal, Roger	Digital Twins for Navy Power and Energy Systems (NPES)	Office of Naval Research (ONR)/DOD	\$ 10,019,055
	Mechanical Engineering				
		Knight, Travis	Single Effect Testing of Metal Fuel	Battelle Energy Alliance, LLC (BEA)/Idaho National Laboratory/DOE	\$ 60,000
		Wang, Yi	A Framework for Embedded Statistical Model Validation and Guided Data Collection	CFD Research Corporation/Missile Defense Agency/DOD	\$ 50,094

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College of Nursing					
	Nursing				
		Sweeney, Allison	The Together Everyone Achieves More Physical Activity Trial (TEAM-PA)	National Heart, Lung, and Blood Institute (NHLBI)/NIH	\$ 3,619,339
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		Roninson, Igor	The Mechanisms of Transcriptional Reprogramming Mediated by CDK8/19 Mediator Kinases	ITMO University (St. Petersburg, Russia)	\$ 17,670
		Sahin, Ozgur	Precision targeting of multi-cellular vulnerabilities in aggressive renal cancers	Royal Institution for the Advancement of Learning - McGill University/AMRMC/DoD	\$ 174,994
College of Social Work					
	Social Work - Dean's Office				
		Reitmeier, Melissa	HOPE-WWR Health Occupations Providing Excellence in Workforce Wellness and Resilience	Health Resources and Services Administration (HRSA)/HHS	\$ 702,431
Division of Student Affairs					
	Substance Abuse and Prevention				
		Hourigan, Aimee	Great Plays at South Carolina 2021	International Town Gown Association (ITGA)	\$ 9,998
School of Medicine					
	Path, Microbio. & Immunology				
		Wilson, Kiesha	Role of macrophages in CBD mediated attenuation of SEB-induced ARDS	National Institute of General Medical Sciences (NIGMS)/NIH	\$ 198,468
	Pediatrics				
		Rotholz, David	2022 SC Assistive Technology Expo	SC Developmental Disabilities Council (SCDDC)/HHS	\$ 4,935
	Pharm., Physiology & Neuroscience				
		Jasnow, Aaron	Pathways regulating fear in the nucleus accumbens	Kent State University/NIH	\$ 167,178
		Tryon, Sarah	Increasing Accessibility of Neuroscience Outreach in South Carolina	The Dana Foundation	\$ 1,500
University of SC Aiken					
	AK Chemistry				
		Marshall, Nicholas	Modification and Organic Coating of Hollow Glass Microspheres	Applied Research Center, Inc.	\$ 13,800
University of SC Beaufort					
	BFT School of Professions				
		Dudas, Kimberly	Campus COVID-19 Vaccination and Mitigation (CoVAC) Initiative Mini-Grant Program	American College Health Association/CDC/HHS	\$ 3,000