

## University of South Carolina — November 2020 New Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
<b>Arnold School of Public Health</b>					
	<i>Applied Research &amp; Evaluation (CARE)</i>				
		<i>Gillam, Pamela</i>	<i>Phase 3: Upstream Learning Collaborative to Address Social Determinants of Health</i>	SC Research Foundation/Blue Cross Blue Shield of SC Foundation	265,000
	<i>Environmental Health Sciences</i>				
		<i>Baalousha, Mohammed</i>	<i>Rapid Collaborative Proposal: Characterization, Quantification, and Transport of Incidental Nanomaterials from Wildland-Urban Fires in Surface Waters</i>	National Science Foundation (NSF)	180,016
		<i>Porter, Dwayne</i>	<i>WebCOOS: Development and Transfer of an Operational "Situational Monitoring and Reporting System"</i>	Southeast Coastal Ocean Observing Regional Association (SECOORA)/NOAA	257,365
	<i>PASOS</i>				
		<i>Martin, Maria</i>	<i>SCAgWHP-COVID 19 CHW Services</i>	SC Primary Health Care Association/SC Agricultural Worker Health Program/ flow down funds from the US Department of Health and Human Services/HHS	19,800
			<i>Lipscomb CCD and PHC - Midlands</i>	USC Educational Foundation/Lipscomb Family Foundation	17,000
<b>College of Arts and Sciences</b>					
	<i>Baruch Institute</i>				
		<i>Kimball, Matthew</i>	<i>Listen In: Acoustic Monitoring of Estuarine Communities Facing Ecosystem Change</i>	University of Texas at Austin/NOAA/DOC	14,900
	<i>Biological Sciences</i>				
		<i>Senner, Nathan</i>	<i>Investigating and Protecting Critical Nocturnal Roosts: Whimbrel at Deveaux Bank</i>	National Fish and Wildlife Foundation/FWS/DOI	84,418
	<i>Political Science</i>				
		<i>Cox, Robert</i>	<i>Dictators Incorporated: Dismantling the Authoritarian Corruption Nexus</i>	SC Research Foundation/Smith Richardson Foundation, Inc	60,000
	<i>School of Earth, Ocean &amp; Env.</i>				
		<i>Bulusu, Subrahmanyam</i>	<i>Analyzing the Connection between Surface Freshwater Lenses and Hurricanes in the Gulf of Mexico using NASA's SMAP Salinity</i>	College of Charleston/SCSGC/NASA	9,989
<b>College of Education</b>					
	<i>Child Development Res. Center</i>				
		<i>Googe, Heather</i>	<i>Preschool Development Grant: MIX EC: Multi-Systems Inclusion Expansion for Early Childhood</i>	SC Department of Social Services (DSS)/HHS	554,681

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	<i>Instruction &amp; Teacher Educ.</i>				
		<i>Cook, Daniella</i>	<i>Leveraging Our Virtual Village: Expanding Academic Supports in a Historically Black Community</i>	American Educational Research Association (AERA)	2,012
		<i>Roy, George</i>	<i>Center of Excellence for the Advancement of the Workforce and Knowledge Economy (AWAKE) in South Carolina Middle Grades Schools</i>	SC Commission on Higher Education	112,500
	<i>Research, Eval., &amp; Measurement</i>				
		<i>Lewis, Ashlee</i>	<i>Standards-Based Arts Assessment in South Carolina: Music and Visual Arts Assessments for Distinguished Arts Programs (2020-2021)</i>	SC Department of Education (SCDE)	80,000
<b>College of Engineering &amp; Comp.</b>					
	<i>Chemical Engineering</i>				
		<i>White, Ralph</i>	<i>Active Battery Material Coatings for Carbon Fibers</i>	College of Charleston/SC Space Grant/NASA	9,999
	<i>Civil &amp; Environmental Eng.</i>				
		<i>Qian, Yu</i>	<i>Laser-based Non-destructive Spike Defect Inspection System</i>	National Academy of Sciences (NAS)	100,000
			<i>Laboratory Investigation of the Drainage Paths of Fines in Ballast During Rain Events</i>	Transportation Technology Center, Inc. (TTCI), subsidiary of AAR	10,000
	<i>Electrical Engineering</i>				
		<i>Yapici, Yavuz</i>	<i>CNS Core: Small: Collaborative: Towards Surge-Resilient Hybrid RF/VLC Networks</i>	NC State University/NSF	118,185
	<i>Mechanical Engineering</i>				
		<i>Barazanchy, Darun</i>	<i>Rohr, Inc Thermoplastic composite induction welding</i>	Rohr, Inc. a Collins Aerospace Systems Company	64,998
		<i>Bayoumi, Abdel</i>	<i>Development of Maintenance Strategies for FVL Platforms</i>	Wichita State University/US Army CCDC Aviation and Missile Center	425,648
		<i>Chen, Fanglin</i>	<i>Rapid Laser 3D Printing of Reversible Solid Oxide Electrochemical Cell Stacks for Producing Pure O2 from CO2 and Storing Electricity into Carbon</i>	Clemson/College of Charleston/NASA EPSCoR	180,000
			<i>Developing Advanced Materials for NASA's Mars Oxygen Module</i>	College of Charleston/SC Space Grant/NASA	10,000
		<i>Farouk, Tanvir</i>	<i>Non-equilibrium misty plasma discharge and reactors for natural gas conversion to liquid products</i>	Trustees of Princeton University/NSF	800,000
		<i>Gray, Joshua</i>	<i>Variable Pressure Growth Chamber for Sustainable Sub-Atmospheric Microgreen Crop Science Development</i>	College of Charleston/SC Space Grant/NASA	8,000
<b>College of Information &amp; Comm.</b>					
	<i>Journalism &amp; Mass Comm.</i>				

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		Overton, Holly	Arthur W. Page Center for Integrity in Public Communication Senior Research Fellow Appointment	The Arthur W. Page Center, College of Communications/Penn State University	18,000
<b>College of Nursing</b>					
	Nursing				
		Wickersham, Karen	Disparities in Utilization of Oral Targeted Therapies for Treatment of Lung, Colorectal, and Breast Cancer among Adults Living in South Carolina	Oncology Nursing Foundation	98,378
<b>College of Pharmacy</b>					
	Pharm - Clin Pharm & Outcomes Sciences				
		Love, Bryan	Improving Access to Vaccinations in Underserved Rural South Carolina Communities	SC Center for Rural and Primary Healthcare/SCDHHS	99,790
		Maxwell, Whitney	Pharmacy Advancement In Rural Experiential Development to Expand, Collaboration, Entrepreneurship and Leadership in Rural Communities (PAIRED to ExCEL in Rural Communities)	SC Center for Rural and Primary Healthcare/SCDHHS	200,000
<b>College of Social Work</b>					
	Families in Society, Institute				
		Shapiro, Cheri	Parents as Teachers Evaluation	SC First Steps to School Readiness	44,200
<b>Palmetto College</b>					
	Palmetto College - General				
		Dyer, Robert	USC Palmetto College - RUS DLT Grant - 2020	Rural Utilities Service (RUS)/USDA/USA	431,278
<b>School of Law</b>					
	Children's Law Center				
		Morris, Carolyn	Court Improvement Basic Grant	SC Court Administration/HHS	170,000
			Court Improvement Training Grant	SC Court Administration/HHS	155,000
	Law - Dean's Office				
		Samuels, Joel	Justice Academy Curriculum Development in Armenia (EWMI subaward)	East-West Management Institute, Inc. (EWMI)/DOS	15,460
<b>School of Medicine</b>					
	Basic Science Research				
		Webb, Robert	Damage-Associated Molecular Patterns in Hypertension	Augusta University/NIH	267,567
	Pediatrics				
		Rotholz, David	South Carolina Assistive Technology Program	Administration for Community Living/HHS	111,090
<b>University 101</b>					
	U101 and National Resource Ctr.				

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		<i>Hartman, Catherine</i>	<i>Exploring the Linguistic Aspects of Engagement among Transfer-Intending Community College English Learners</i>	Council for the Study of Community Colleges, an affiliate of the Center for the Study of Community Colleges	1,000
<b>University of SC Aiken</b>					
	<i>AK School of Education</i>				
		<i>Beck, Judy</i>	<i>Gifted &amp; Talented Graduate Courses</i>	SC Department of Education (SCDE)	66,009
<b>University of SC Beaufort</b>					
	<i>BFT Natural Sciences</i>				
		<i>Montie, Eric</i>	<i>"Listen In: Acoustic Monitoring of Estuarine Communities Facing Ecosystem Change"</i>	University of Texas Austin/DOC	20,212
<b>University of SC Lancaster</b>					
	<i>Lancaster</i>				
		<i>Williamson, Matherline</i>	<i>Student Support Services</i>	U.S. Department Of Education (USDE)	1,528,530