

University of South Carolina — February 2021 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	<i>Center for Community Health Alignment</i>				
		<i>Smithwick, Julie</i>	<i>EACH Mom and Baby Collaborative</i>	SC Research Foundation (SCRFF)/Blue Cross Blue Shield of South Carolina Foundation	\$ 1,073,889
			<i>South Carolina Oral Health Institute</i>	SC DHEC (Oral Health Division)/BCBS Foundation of SC	\$ 525,000
	<i>Communication Sci & Disorders</i>				
		<i>Behroozmand, Roozbeh</i>	<i>Neural Bases of Vocal Sensorimotor Impairment in Aphasia</i>	National Institute on Deafness and Other Communication Disorders (NIDCD)/NIH	\$ 3,574,905
	<i>Environmental Health Sciences</i>				
		<i>Klout, Robin</i>	<i>Strategic Planning toward Regenerative Farming for Small Producers</i>	Natural Resources Conservation Service (NRCS)/USDA	\$ 179,867
	<i>Exercise Science</i>				
		<i>Torres-McGehee, Toni</i>	<i>Exertional Heat Illness in Marching Band Artists</i>	Mid-Atlantic Athletic Trainers' Association (MAATA)	\$ 1,040
College of Arts and Sciences					
	<i>Baruch Institute</i>				
		<i>Dunn, Robert</i>	<i>Detecting Impacts from Climate Change across Multiple Scales: A National Synthesis of Tidal Marshes</i>	National Estuarine Research Reserve Assoc. (NEERA)/UMich/NERES/NOAA	\$ 14,821
	<i>Chemistry & Biochemistry</i>				
		<i>Wang, Qian</i>	<i>Sponsored Contract Service: Synthesis of glyoxal derived agarose beads for bioconjugation applications</i>	Integrated Micro-Chromatography Systems (IMCS), Inc.	\$ 10,880
	<i>Criminology & Criminal Justice</i>				
		<i>Alpert, Geoffrey</i>	<i>Racial Biased Audit Recommendation Plan for the Charleston Police Department</i>	City of Charleston Police Department	\$ 37,000
	<i>History</i>				
		<i>Schulz, Constance</i>	<i>Watson-Brown Foundation Graduate Assistantship award</i>	USC Educational Foundation/Watson-Brown Foundation, Inc.	\$ 35,382
College of Engineering & Comp.					
	<i>Chemical Engineering</i>				
		<i>Liu, Chang</i>	<i>CAREER: Ultrasensitive Multiplex Nanopore Biosensing for Point-of-Care Testing of Infectious Diseases</i>	National Science Foundation (NSF)	\$ 500,000
		<i>Shimpalee, Sirivatch</i>	<i>Development of a 3-D CFD-based modeling platform capable of predicting dynamic behaviors: shunt loss and mass transport (YEAR 3)</i>	Gwangju Institute of Science and Technology (GIST)	\$ 55,333
	<i>Civil & Environmental Eng.</i>				

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		Hoque, Shamia	Improvements to the ALGE Aqueous Contaminant Transport Model	Savannah River National Laboratory (SRNL)/DOE	\$ 82,360
	Electrical Engineering				
		Ginn, Herbert	Discretized Energy Control	Office of Naval Research (ONR)/DOD	\$ 750,000
		Wang, Xiaofeng	Phase II: Remote Egg-oiling System with Autonomous and Automated Target Object Identification for Nuisance Bird Management	Hitron Technologies/U.S. Navy	\$ 200,000
	Mechanical Engineering				
		Bayoumi, Abdel	Proactive and Automated Material Control -- SC Dept of Commerce	SC Department of Commerce	\$ 239,808
			Business Readiness for Vaccine Production & Exploration of Advanced RFID	SC Department of Commerce	\$ 113,700
College of Nursing					
	Nursing				
		Pate, Leigh	The Hubb at USC-Lancaster	Fact Forward/SCDHEC/HHS	\$ 47,143
		Pinto, Bernardine	Peer Coaching for Physical Activity Promotion among Breast Cancer Survivors: Adapting an Efficacious Intervention to Prepare for Implementation	National Cancer Institute (NCI)/NIH	\$ 1,381,424
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		Shtutman, Michael	RAPID: Automated discovery of COVID-19 related hypotheses using publicly available scientific literature	University of Delaware/NSF	\$ 9,500
	Palmetto Poison Center				
		Michels, Jill	South Carolina Poison Center Support and Enhancement Project - transfer from SCRF to UofSC	Health Resources & Services Administration (HRSA)/HHS	\$ 100,000
	Pharm - Clin Pharm & Outcomes Sciences				
		Bookstaver, Brandon	Infectious Diseases PGY2/3 Residency with Rural Health Focus	SC Center for Rural and Primary Healthcare/SCDHHS	\$ 79,950
College of Social Work					
	Social Work - Dean's Office				
		Flynn, Cynthia	Fatherhood FIRE/H20 Program Evaluation	SC Center for Fathers and Families (SCCF)/HHS	\$ 131,469
		Soto-Ramirez, Nelis	CASA Annual Survey Data Analysis and Reporting (ASDAR) and Gap Analysis Plus (GAP) Projects	National Court Appointed Special Advocates (CASA) & Guardian ad Litem (GAL)	\$ 57,585
School of Medicine					
	Internal Medicine				
		Yates-Wilson, Beverly	Prisma Annual Support	SC Research Foundation (SCRF)/Prisma Health	\$ 34,000
University Libraries					
	Univ Libraries - Dean's Office				

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		<i>Heckman, Heather</i>	<i>Technology Support for Students, Faculty and the Community through University Libraries</i>	SC Research Foundation (SCRF)/City of Columbia	\$ 6,680
University of SC Aiken	<i>AK Biology & Geology</i>				
		<i>Hancock, Charles Nathan</i>	<i>Strategies for rescue of nitrogen deficient soybeans</i>	SC Soybean Board	\$ 4,000
University of SC Beaufort	<i>BFT English, Theatre, & Liberal Studies</i>				
		<i>McCoy, Erin</i>	<i>South Carolina Humanities Council Mini Grant: "USCB Virtual Interdisciplinary Conference on Race, Identity & Equality"</i>	South Carolina Humanities Council/NEH	\$ 1,000
University of SC Upstate	<i>UPS Academic Affairs Admin</i>				
		<i>Waldrop, Susannah</i>	<i>USC Upstate Midlands GEAR UP</i>	Richland County School District 2 (Midlands GEAR UP)/USDE	\$ 25,000