

University of South Carolina — October 2020 New 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>Heyward, Andrea</i>			
			<i>Fact Forward Sub-Contract - Office of Population Affairs (OAP) Tier I Proposal: Optimally Changing the Map for Teen Pregnancy Prevention (AH-TP1-20-001)</i>	Fact Forward/HHS Office of Population Affairs	15,000
			<i>Fact Forward Sub-Contract: Office of Population Affairs, Innovation and Impact Network Grants (Tier 2) – Achieving Optimal Health and Preventing Teen Pregnancy in Key Priority Areas (AH-TP2-20-002)</i>	Fact Forward/HHS Office of Population Affairs	15,000
	<i>Disorders</i>				
		<i>Neils-Strunjas, Jean</i>			
			<i>SC-CREATE</i>	SC Department of Education/USDE	269,772
	<i>Environmental Health Sciences</i>				
		<i>Kloot, Robin</i>			
			<i>Video Representation of NRCS Conservation Practices and Standards</i>	Natural Resources Conservation Service (NRCS)/USDA	149,566
	<i>Epidemiology & Biostatistics</i>				
		<i>Boghossian, Nansi</i>			
			<i>Hospital quality, Medicaid expansion and racial/ethnic disparities in maternal mortality and morbidity</i>	National Institute on Minority Health and Health Disparities (NIMHD)/NIH	3,165,509
	<i>Exercise Science</i>				
		<i>Arent, Shawn</i>			
			<i>USMC Gender-Integrated Recruit Training Study</i>	University of Pittsburgh/USMC/DoD	575,797
	<i>Health Services Policy & Mgmt</i>				
		<i>Brooks, John</i>			
			<i>Effects of Musculoskeletal Surgery Rate of Medicare Costs</i>	Agency for Healthcare Research and Quality (AHRQ)	1,372,376
		<i>Crouch, Elizabeth</i>			
			<i>Piloting Implementation of Family Engagement Strategies within School Mental Health Services in Elementary Schools in Rural Areas</i>	SC Center for Rural and Primary Healthcare/SCDHHS	99,980
	<i>Public Health - Dean's Office</i>				
		<i>Martin, Maria</i>			
			<i>DHEC-MCH Proposal Evaluation of PASO CCD</i>	SC Department of Health and Environmental Control (SCDHEC)	354,735
	<i>Rural and Minority Research</i>				
		<i>Zahnd, Whitney</i>			
			<i>Oregon Health & Sciences University and the Rural and Minority Health Research Center CARAVAN Project.</i>	Oregon Health & Science University (OSHU)	10,000
College of Arts and Sciences					
	<i>Biological Sciences</i>				
		<i>Mousseau, Timothy</i>			

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			<i>The Effects of Ionizing Radiation on Plant Germination</i>	SC Space Grant Consortium/NASA	10,000
		<i>Welshhans, Kristy</i>			
			<i>Adhesion mechanisms contributing to the Down syndrome phenotype</i>	Jerome Lejeune Foundation	49,730
	<i>Center for Science Education</i>				
		<i>Jordan, Donald</i>			
			<i>USC Junior Science and Humanities Symposium</i>	National Science Teachers Association (NSTA)/DOD	15,300
	<i>Chemistry & Biochemistry</i>				
		<i>Benicewicz, Brian</i>			
			<i>Evaluation of a New Process for a Durable Proton Conducting PBI Membrane</i>	BASF New Business GmbH	111,225
	<i>Mathematics</i>				
		<i>Ballard, Matthew</i>			
			<i>Derived categories in algebraic and arithmetic geometry</i>	Simons Foundation	42,000
	<i>Political Science</i>				
		<i>Sung, Yu-Hsien</i>			
			<i>Prosecutorial decisions, constituency influences, and rule of law</i>	American Political Science Association (APSA)	14,955
			<i>Prosecutorial policies: district attorneys, public opinion, and localized rule of law</i>	American Political Science Association (APSA)	2,500
Education					
	<i>Educational Studies</i>				
		<i>Plotner, Tony</i>			
			<i>Project DRIVE- Developing a Robust, Inclusive Vision for Expansion: Moving Beyond Access to Enhanced College Opportunities and Outcomes</i>	US Department of Education (USDE)	2,252,062
	<i>Instruction & Teacher Educ.</i>				
		<i>Hodges, Thomas</i>			
			<i>South Carolina Center for Research on Teacher Education (SC-Teacher)</i>	SC Commission on Higher Education	112,500
	<i>Measurement</i>				
		<i>D'Amico, Leigh</i>			
			<i>South Carolina Preschool Development Grant (PDG) Needs Assessment</i>	SC Department of Social Services (DSS)/HHS	80,000
College of Engineering &					
	<i>Civil & Environmental Eng.</i>				
		<i>Gassman, Sarah</i>			
			<i>GSI Fellowship for Kazi Islam: Numerical Modeling of Flexible Pavement with Geogrid-Reinforcement</i>	Geosynthetic Institute	5,000
	<i>Mechanical Engineering</i>				
		<i>Harik, Ramy</i>			
			<i>Enabling Smart Automated Fiber Placement for Optimized Manufacturing by Means of Artificial Intelligence and Digital Twinning (Alex Brasington)</i>	College of Charleston/NASA	16,000

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			<i>TO6 Experimental evaluation of the optimal AFP process parameters and fuzz/resin buildup during continuous AFP layups using Toray New Materials</i>	Toray	70,363
		<i>Wang, Yi</i>			
			<i>An Intelligent Framework for Integrated State-consistent Aeroservoelastic Reduced Order Model Development and Control Synthesis</i>	CFD Research Corporation/NASA	35,145
		<i>Yuan, Lang</i>			
			<i>Towards Real-time Online Validation of Additively Manufactured Metallic Components</i>	College of Charleston/NASA EPSCoR	9,979
College of Nursing					
	<i>Nursing</i>				
		<i>Graham, Crystal</i>			
			<i>Project Experiential SHiNE: Simulation and Social determinants of Health in Nursing Education</i>	Health Resources and Services Administration (HRSA)/HHS	499,953
		<i>Inman, Dianna</i>			
			<i>Nurse, Education, Practice, Quality and Retention - Registered Nurses in Primary Care - Subaward</i>	University of Kentucky/HRSA	77,129
		<i>Wright, Pamela</i>			
			<i>Advancing Knowledge about Exercise as a Therapeutic Management Strategy for Women with Polycystic Ovary Syndrome</i>	National Institute of Health (NIH)	34,688
Pharmacy					
	<i>Pharm - Clin Pharm & Outcomes Sciences</i>				
		<i>Love, Bryan</i>			
			<i>Navigating Pneumococcal Immunization Recommendations: A Case-Based Approach to Optimize Pharmacist-Led Delivery and Shared-Decision Making</i>	Pfizer, Inc	40,000
College of Social Work					
	<i>Social Work - Dean's Office</i>				
		<i>Browne, Teri</i>			
			<i>Improving SC Rural Health Workforce Recruitment & Retention</i>	SC Center for Rural & Primary Healthcare/SCDHHS	400,671
			<i>Putting Patients at the Center of Kidney Care Transitions</i>	Duke University/PCORI	3,050
		<i>DeHart, Dana</i>			
			<i>Evaluation of DAODAS/SCDC Correctional Peer Support Specialist Program</i>	SC Department of Corrections/SCDAODAS	59,746
		<i>Maas, Carl</i>			
			<i>SC VRD Power UP! 2.0 Curriculum Design and Development</i>	SC Vocational Rehabilitation Department (SCVRD)	143,368
Darla Moore School of Business					
	<i>Moore Sch - Div. of Research</i>				
		<i>Von Nessen, Joseph</i>			
			<i>SCRA - FY20 Economic Impact Analysis</i>	SC Research Authority (SCRA)	10,000
			<i>S.C. Commission on Higher Education - Economic Impact of the SmartState Program - FY20</i>	S.C. Commission on Higher Education	23,000
School of Medicine					

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	<i>Family & Preventive Medicine</i>				
		<i>Bennett, Kevin</i>			
			<i>Evaluation of the Network Development Grant, Palmetto Care Connections</i>	Palmetto Care Connections/HRSA	75,000
	<i>Path, Microbio. & Immunology</i>				
		<i>Velazquez, Kandy</i>			
			<i>Development of dietary quercetin to treat muscle wasting disorders</i>	AcePre, LLC/NIH	99,756
	<i>Neurology</i>				
		<i>Erichsen, Jennifer</i>			
			<i>Elucidation of the Mechanism Behind the Pro-Cognitive Effects of Intranasal Insulin</i>	National Institute on Aging (NIA)/NIH	70,104
University of SC Upstate					
	<i>Upstate</i>				
		<i>Tanner, Scott</i>			
			<i>Brittany Saliccioli: Histochemical Society</i>	Histochemical Society	1,000