

University of South Carolina — January 2021 New Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	<i>Applied Research & Evaluation (CARE)</i>				
		<i>Workman, Lauren</i>	<i>SC MIECHV FY20 Evaluation-- Understanding Organizational Culture</i>	Children's Trust of South Carolina/HRSA	\$ 100,272
	<i>Center for Community Health Alignment</i>				
		<i>Smithwick, Julie</i>	<i>Community Health Worker National Workforce Development</i>	SC Research Foundation/Johnson & Johnson Services, Inc.	\$ 124,662
	<i>Environmental Health Sciences</i>				
		<i>Kloot, Robin</i>	<i>Evaluate, Quantify, and Share Benefits and Outcomes of Soil Health Management Systems (SHMS)</i>	Natural Resources Conservation Service (NRCS)/USDA	\$ 199,960
		<i>Lead, Jamie</i>	<i>A preliminary study to assess the feasibility of a nanotechnology approach to the removal of Karenia brevis cells and brevetoxin from estuarine and marine waters</i>	Mote Marine Laboratory/FWRI/FWC	\$ 135,682
	<i>Epidemiology & Biostatistics</i>				
		<i>Hebert, James</i>	<i>Research Answers to NCI's Provocative Questions - Role of Circadian Factors in Inflammation and Colorectal Adenoma Risk- VCU Subcontract</i>	Virginia Commonwealth University (VCU)/NCI/NIH	\$ 40,000
	<i>Exercise Science</i>				
		<i>Pellegrini, Christine</i>	<i>Knee Arthroplasty AcTivity (KArAT) Trial - Sub-contract with The Brigham and Women's Hospital, Inc. - U56 Proposal</i>	The Brigham and Women's Hospital/NIAMS/NIH	\$ 26,491
	<i>Health Prom., Educ. & Behavior</i>				
		<i>Frongillo, Edward</i>	<i>Intersection of Material-Need Insecurities and HIV and Cardiovascular Health.</i>	University of California at San Francisco/NHLBI/NIH	\$ 423,142
	<i>PASOS</i>				
		<i>Martin, Maria</i>	<i>Greenwood Genetics Center- PASOs 2021</i>	Greenwood Genetics Center	\$ 26,000
			<i>PASOs Connections for Childhood Development Program and First Steps-PDG</i>	SC First Steps/SCDSS/HSS	\$ 25,263
			<i>PASOs Health Connections - Prisma Health Midlands</i>	SC Research Foundation (SCRF)/Prisma Health - Midlands	\$ 25,000
		<i>Young, Michael</i>	<i>PASOs: South Carolina's statewide Latinx focused nonprofit organization of Community Health Workers COVID relief fund</i>	SCRF/NEO Philanthropy, Inc.	\$ 10,000
College of Arts and Sciences					
	<i>Baruch Institute</i>				

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		Smith, Erik	<i>Bridging the gap between quadrats and satellites: assessing utility of drone-based imagery to enhance emergent vegetation biomonitoring</i>	N.C. Department of Environmental Quality (NCDEQ)/UMich/NOAA/DOC	\$ 23,597
	History				
		Donaldson, Bobby	<i>NPS Historic Preservation Fund - Booker T. Washington High School Auditorium Building</i>	National Park Service (NPS)/DOI	\$ 500,000
	Mathematics				
		Wang, Qi	<i>Dynamic Multiscale Digital Twin for a Lung Cancer Patient</i>	Leidos Biomedical Research, Inc./NCI/NIH	\$ 50,000
	Physics & Astronomy				
		Kulkarni, Varsha	<i>What governs the physics of the warm-hot circumgalactic medium?</i>	Space Telescope Science Institute (STScI)/NASA	\$ 10,989
			<i>The Baryonic Content of Galaxies Mapped by MaNGA and Gas Flows Around Them</i>	Space Telescope Science Institute (STScI)/NASA	\$ 125,545
		Rodney, Steven	<i>LensWatch: Time Delay Measurement of a Multiply-Imaged Supernova</i>	Space Telescope Science Institute (STScI)/NASA	\$ 65,119
	Public Serv & Policy Res Inst.				
		Oldendick, Robert	<i>South Carolina Humanities Electoral Initiative</i>	South Carolina Humanities/A.W. Mellon Foundation	\$ 5,010
College of Education					
	Child Development Res. Center				
		Rao, Vasanthi	<i>Nemours Healthy Kids Healthy Future Technical Assistance Program</i>	SC Department of Health & Environmental Control (DHEC)/Nemours CHS/CDC	\$ 9,394
	Educational Studies				
		Carlson, Ryan	<i>Project Harmony: Family Strengthening Evaluation Team (FSET).</i>	University of Central Florida/HHS	\$ 656,049
	Instruction & Teacher Educ.				
		Baum, Angela	<i>Preschool Development Grant (PDG-B5)</i>	SC Department of Social Services (SC DSS)/HHS	\$ 533,754
		Muller, Meir	<i>Jewish and African American Convergence and Divergence: Confronting Antisemitism and AntiBlackness</i>	Academic Engagement Network (AEN)	\$ 4,000
College of Engineering & Comp.					
	Chemical Engineering				
		Ritter, James	<i>Evaluation of Carbons and Silica Gel for Hydrocarbon Adsorption</i>	ColdStream Energy, LLC	\$ 125,000

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		<i>Shimpalee, Sirivatch</i>	<i>Critical Element Biomining: SOW 0000552644 to LDRD-2021-00108</i>	Savannah River Nuclear Solutions, LLC (SRNS)/DOE	\$ 34,000
	<i>Civil & Environmental Eng.</i>				
		<i>Ziehl, Paul</i>	<i>MOC3HA - Manufacturing of Carbon-Carbon Composites for Hypersonic Applications</i>	Battelle Memorial Institute/AFROL/DOD	\$ 203,748
	<i>IIT - Engineering</i>				
		<i>Crichigno, Jorge</i>	<i>Developing and Installing Virtual Training Material on Advanced Networking for the Academic Cloud</i>	The Network Development Group (NDG)	\$ 20,000
	<i>Mechanical Engineering</i>				
		<i>Huang, Kevin</i>	<i>Testing service for Neo-H2 catalysts</i>	Neo-H2, LLC.	\$ 1,562
College of Information & Comm.					
	<i>Journalism & Mass Comm.</i>				
		<i>Hickerson, Andrea</i>	<i>DeFake Detection Tool</i>	Rochester Institute of Technology/John S. & James L. Knight Foundation	\$ 44,773
College of Pharmacy					
	<i>Drug Discovery & Biomed Sci.</i>				
		<i>Xu, Peisheng</i>	<i>A novel polymer-metal nanocomplex for ovarian cancer treatment</i>	AcePre LLC/NCI/NIH	\$ 186,236
Darla Moore School of Business					
	<i>Moore Sch - Div. of Research</i>				
		<i>Von Nessen, Joseph</i>	<i>S.C. Dept. of Commerce - Economic Impact of Gallo</i>	SC Department of Commerce	\$ 38,500
Facility Services					
	<i>Environmental Services</i>				
		<i>Cook, Larry</i>	<i>DHEC Collegiate Recycling Grant Application for Fiscal Year 2021</i>	SC Department of Health and Environmental Control (DHEC)	\$ 12,500
Hosp., Retail, & Sport Mgmt					
	<i>Hotel, Restaurant & Tour Mgmt</i>				
		<i>Hudson, Simon</i>	<i>Responding effectively to a crisis. Lessons learned from COVID-19 for South Carolina's tourism and hospitality industry.</i>	Economic Development Administration (EDA)/DOC	\$ 53,586

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Law Enforcement & Safety					
	<i>Law Enforc. & Safety</i>				
		<i>Culp, Erin</i>	<i>USC DLES COVID-19 2021 Aid</i>	South Carolina Department of Public Safety (DPS)/DOJ	\$ 56,116
School of Law					
	<i>Law Library</i>				
		<i>Ross, Eve</i>	<i>Libraries Lead with Digital Skills</i>	American Library Association (ALA)	\$ 1,000
School of Medicine					
	<i>Internal Medicine</i>				
		<i>Ahuja, Divya</i>	<i>NIH Centers for AIDS Research (CFAR) Engaging pharmacies for HIV prevention in South Carolina</i>	Duke University/NIH	\$ 30,000
	<i>Pharm., Physiology & Neurology</i>				
		<i>Reagan, Lawrence</i>	<i>IPA for Jesseca Crawford</i>	WJB Dorn VA Medical Center/VA	\$ 82,606
		<i>Tryon, Sarah</i>	<i>Introducing foundations of neuroscience to South Carolina high school students through "neuroSC" and the inaugural South Carolina Brain Bee</i>	The Dana Foundation	\$ 1,500
University Libraries					
	<i>Univ Libraries - Dean's Office</i>				
		<i>Freeman, Amie</i>	<i>SCALE Affordable Learning Grants: SCALE-ing up Mathematics Open Educational Resources at the University of South Carolina</i>	Partnership Among South Carolina Academic Libraries (PASCAL)/SC CHE	\$ 1,484
University of SC Upstate					
	<i>UPS Library</i>				
		<i>Kearns, Andrew</i>	<i>Unit Competition for Course Revision using OER and Affordable Resources</i>	Partnership Among South Carolina Academic Libraries (PASCAL)/SC CHE	\$ 5,000