

University of South Carolina — March 2022 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
<i>Arnold School of Public Health</i>					
	<i>Applied Research & Evaluation (CARE)</i>				
		<i>Workman, Lauren</i>	<i>AccessHealth & Healthy People Healthy Carolinas Evaluation 2022</i>	SC Hospital Association Foundation (SCHA)	\$ 37,440
<i>Center for Community Health Alignment</i>					
		<i>Smithwick, Julie</i>	<i>Envision Equitable Healthy Communities (EEHC)</i>	Wisconsin Division of Public Health/CDC	\$ 575,623
<i>Exercise Science</i>					
		<i>Weaver, Glenn</i>	<i>Validity and Utility of Consumer-based Wearable Fitness Trackers to Monitor Free-Living Physical Activity Energy Expenditure and Sleep in Children 5-12 Years Old</i>	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH	\$ 3,020,021
<i>College of Arts and Sciences</i>					
<i>Archaeology & Anthropology</i>					
		<i>Fisher, John</i>	<i>Proposal for work at the St. James Parish in Goose Creek, SC for expansion of the National Register of Historic Places site boundaries</i>	Vestry of Saint James' Parish Church	\$ 55,042
		<i>Smith, Steven</i>	<i>Archaeological Survey, Blackland Prairie FY2022</i>	The Chickasaw Nation	\$ 4,945
<i>Biological Sciences</i>					
		<i>Ely, Berten</i>	<i>UofSC Postbaccalaureate Research Education Program</i>	National Institute of General Medical Sciences (NIGMS)/NIH	\$ 1,740,170
		<i>Lizarraga, Sofia</i>	<i>ASH1L mediated transcription networks in autism spectrum disorders</i>	National Institute of Mental Health (NIMH)/NIH	\$ 3,542,521
		<i>Smith, Deanna</i>	<i>Deciphering the cellular roles of LIS1 in the mature nervous system</i>	National Institute of Neurological Disorders and Stroke (NINDS)/NIH	\$ 398,798
<i>Chemistry & Biochemistry</i>					
		<i>Sutton, Christopher</i>	<i>Accelerated Selection of Optimal Perovskite Alloys for Solar PV using a Combined Quantum and Machine Learning Hierarchical Approach</i>	University of Colorado/DOE	\$ 255,565
<i>Geography</i>					
		<i>Cutter, Susan</i>	<i>Planning Grant: Engineering Research Center for Wildfire Hazard Resilience and Risk Engineering (WiRE)</i>	University of California, Los Angeles (UCLA)/NSF	\$ 5,000
<i>Philosophy</i>					
		<i>Tollefsen, Christopher</i>	<i>Academic Freedom on Campus Lecture Series</i>	Institute for Humane Studies at George Mason University	\$ 7,000
<i>Psychology</i>					
		<i>Banerjee, Meeta</i>	<i>Society for Community Research and Action (SCRA, Division 27) Award for research and work in Flint, Michigan</i>	Society for Community Research and Action (SCRA)/American Psychological Association	\$ 2,500

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		Wippold, Guillermo	SCRA Research Scholar 2021 Program	Society for Community Research and Action (SCRA)/American Psychological Association	\$ 2,500
College of Education					
	<i>Research, Eval., & Measurement</i>				
		Dickenson, Tammiee	South Carolina Teacher Working Conditions Survey	SC Education Oversight Committee	\$ 100,000
		Lewis, Ashlee	Evaluation of the Community Assistance for Rural Arts Education (CARE) Project	Winthrop University/USDE	\$ 385,000
College of Engineering & Comp.					
	<i>Chemical Engineering</i>				
		Lauterbach, Jochen	Ammonia Decomposition via Noble Metal Catalysts TOPR 594047	Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE	\$ 79,999
		Meekins, Benjamin	Lubrizol -- Membrane and Additive Testing	The Lubrizol Corporation	\$ 23,285
		Ritter, James	Structured Adsorbent Material Testing and Evaluation	W.L. Gore & Associates	\$ 170,000
		Shimpalee, Sirivatch	CONTINUATION - Development of a 3-D CFD-based modeling platform capable of predicting dynamic behaviors: shunt loss and mass transport	Korea Institute of Energy Research (KIER)	\$ 42,000
	<i>Computer Science & Engineering</i>				
		Sheth, Amit	Alan Turing Institute's Turing AI Fellowships	UK Research and Innovation/Queen Mary University London	\$ 23,928
		Sur, Sanjib	CAREER: Vision and Learning Augmented D-Band Networking and Imaging	National Science Foundation (NSF)	\$ 560,000
	<i>Electrical Engineering</i>				
		Khan, Asif	Development of Electrically Pumped AlxGa1-xN Based UVB-C Laser Structures over Low-defect density AIN	US Army Research Office (ARO)/DOD	\$ 539,491
		Nasiri, Adel	Development of Ultra Compact AC/DC Converters for Low Power Applications	DEFENSEWERX - ICWERX	\$ 445,000
			Compact, High-Power, Direct Medium Voltage Solar PV Inverter	Imagen Energy, LLC/DOE	\$ 489,082
	<i>Mechanical Engineering</i>				
		Chen, Fanglin	South Carolina Space Grant Consortium Campus Director	College of Charleston/SC Space Grant Consortium/NASA	\$ 4,500
		Harik, Ramy	Phase I: Hypersonics	Atomic-6 LLC/USAF/DOD	\$ 15,000
		Knight, Travis	Tri-Carbide Fuel Development	National Aeronautics & Space Administration (NASA)	\$ 271,368
			DOE-IUP Nuclear Engineering Scholarship and Fellowship Program at UofSC	US Department of Energy (DOE)	\$ 550,000

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<i>College of Information & Comm.</i>					
	<i>Journalism & Mass Comm.</i>				
		<i>Robertson, Brett</i>	<i>Precarious Societies, Collective Solidarity: Feminist Economic Organizing of Mutual Aid Organizations and Resilience Discourses during COVID-19</i>	Waterhouse Family Institute for the Study of Communication and Society	\$ 2,143
	<i>School of Information Sciences</i>				
		<i>Cooke, Nicole</i>	<i>Equity, Social Justice, and Critical Race Theory in Librarianship: A Bibliography and Toolkit</i>	The American Library Association	\$ 4,250
		<i>Green, Lucilia</i>	<i>Community Action Toolkit (CAT) in Support of Diverse Library Collections & High-Quality Educational Materials</i>	Penguin Random House and EBSCO Information Services	\$ 16,300
<i>College of Nursing</i>					
	<i>Nursing</i>				
		<i>Andrews, Jeanette</i>	<i>Nursing Faculty Fellows Pipeline Pilot Program</i>	SC Research Foundation/Blue Cross Blue Shield of South Carolina	\$ 1,517,180
<i>Darla Moore School of Business</i>					
	<i>Moore Sch - Div. of Research</i>				
		<i>Pekgun, Pelin</i>	<i>Lease Pricing for Multi-Family Housing</i>	Radix Software, Inc.	\$ 60,553
		<i>Von Nessen, Joseph</i>	<i>SC Ed Foundation/Boeing</i>	USC Educational Foundation/Boeing	\$ 25,000
			<i>Illinois Manufacturers' Association: Economic Impact Analysis</i>	Illinois Manufacturers' Association	\$ 95,500
			<i>Sojourner Family Peace Center: Economic Impact of Domestic Violence in Wisconsin</i>	Sojourner Family Peace Center	\$ 24,999
<i>School of Law</i>					
	<i>Children's Law Center</i>				
		<i>Morris, Carolyn</i>	<i>Court Administration Basic Contract</i>	SC Court Administration/HHS	\$ 175,000
			<i>Court Administration Training Contract</i>	SC Court Administration/HHS	\$ 155,000
<i>School of Medicine</i>					
	<i>MDC Ctr Disability Resources</i>				
		<i>Rotholz, David</i>	<i>Six Sixties: Learning How to Fill the Gaps</i>	South Carolina Developmental Disabilities Council/HHS	\$ 2,110
	<i>Neurology</i>				
		<i>Cuturic, Miroslav</i>	<i>Huntington's Disease Society of America Center of Excellence 2022</i>	Huntington's Disease Society of America (HDSA)	\$ 19,500
	<i>Path, Microbio. & Immunology</i>				
		<i>Bhere, Deepak</i>	<i>microRNA therapies for advanced brain tumors</i>	National Cancer Institute (NCI)/NIH	\$ 722,091
<i>University Libraries</i>					
	<i>Univ Libraries - Dean's Office</i>				

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		<i>Wilsbacher, Greg</i>	<i>Virtual bench: a hybrid research and computation platform for digital surrogates of motion picture films</i>	National Endowment for the Humanities (NEH)	\$ 349,106
<i>University of SC Aiken</i>					
	<i>AK Research Support</i>				
		<i>Pirkle, William</i>	<i>Preparation for the Savannah River Environmental Sciences Field Station</i>	Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE	\$ 208,408
<i>University of SC Upstate</i>					
	<i>UPS Univ Police</i>				
		<i>Peterson, Klay</i>	<i>Body-Worn Camera Program</i>	South Carolina Department of Public Safety	\$ 9,470