

University of South Carolina — April 2021 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 2021</i>	SC Hospital Association Foundation (SCHA)	\$ 37,769
	<i>Environmental Health Sciences</i>				
		<i>Bose, Dipro</i>	<i>IPA DIPRO BOSE</i>	WJB Dorn VA Medical Center/VA	\$ 39,027
		<i>Mondal, Ayan</i>	<i>IPA: Ayan Mondal</i>	WJB Dorn VA Medical Center/VA	\$ 27,866
		<i>Porter, Dwayne</i>	<i>EJ Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina</i>	SC Department of Health & Environmental Control (DHEC)/EPA	\$ 111,658
			<i>Creating ShellBase: The Southeast Shellfish Water Quality Database</i>	NC State University (NCSSU)/Southeast Coastal Ocean Observing Regional Association (SECOORA)/NOAA	\$ 10,000
		<i>Saha, Punnag</i>	<i>IPA Saha Punnag</i>	WJB Dorn VA Medical Center/VA	\$ 39,027
	<i>Epidemiology & Biostatistics</i>				
		<i>Liu, Jihong</i>	<i>Healthy Start Initiative: Eliminating Disparities in Perinatal Health</i>	Prisma Health - Midlands/HRSA	\$ 329,833
		<i>Self, Stella</i>	<i>Companion Animal Parasite Council Project</i>	Companion Animal Parasite Council, Inc.	\$ 22,060
	<i>Health Prom., Educ. & Behavior</i>				
		<i>Turner-McGrievy, Gabrielle</i>	<i>Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk</i>	National Institute of Diabetes and Digestive and Kidney Diseases(NIDDK)/NIH	\$ 3,426,100
	<i>Health Services Policy & Mgmt</i>				
		<i>Andrews, Christina</i>	<i>Assessing Alternative Payment Models to Finance Opioid Use Disorder Treatment</i>	SC Department of Alcohol and Other Drug Abuse Services (DAODAS)/SAMHSA/HHS	\$ 108,454
<i>College of Arts and Sciences</i>					
	<i>Archaeology & Anthropology</i>				
		<i>Goodyear, Albert</i>	<i>Analysis and Curation of the Topper Site Artifacts</i>	SC Research Foundation (SCRF)/Felburn Foundation	\$ 25,000
	<i>Biological Sciences</i>				

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		<i>Senner, Nathan</i>	<i>Identifying the network of migratory stopover sites for Hudsonian Godwits in the Northern Great Plains</i>	US Geological Survey (USGS)/DOI	\$ 68,300
	<i>English</i>				
		<i>Collins, Alyssa</i>	<i>Cellular Blackness: Octavia E. Butler's Posthuman Ontologies - Book Project - Huntington Library - Octavia E. Butler Fellow</i>	The Huntington Library, Art Collections & Botanical Gardens	\$ 50,000
	<i>Geography</i>				
		<i>Cutter, Susan</i>	<i>SCEMD Multi-Hazard Mitigation Plan 2023 Update</i>	South Carolina Emergency Management Division (SCEMD)	\$ 109,030
	<i>Mathematics</i>				
		<i>Ju, Lili</i>	<i>Maximum Bound Principle-Preserving Time Integration Methods for Some Semilinear Parabolic Equations</i>	National Science Foundation (NSF)	\$ 150,000
	<i>Psychology</i>				
		<i>Vento, Peter</i>	<i>Role of nucleus accumbens D2-expressing neurons in punished cocaine seeking</i>	National Institute on Drug Abuse (NIDA)/NIH	\$ 743,352
College of Education					
	<i>Child Development Res. Center</i>				
		<i>McDonald, Melissa</i>	<i>PDG - SC CCR&R Family Child Care Community of Practice</i>	SC Department of Social Services (DSS)/HHS	\$ 50,000
	<i>Education - Dean's Office</i>				
		<i>Berry, Barnett</i>	<i>The Pandemic and Teaching and Learning Conditions in South Carolina</i>	SC Department of Education	\$ 6,666
	<i>Research, Eval., & Measurement</i>				
		<i>D'Amico, Leigh</i>	<i>Child and Adult Care Food Program (CACFD) Focus Group Evaluation</i>	SC Department of Health and Environmental Control (DHEC) & SC Department of Social Services (DSS)	\$ 9,868
College of Engineering & Comp.					
	<i>Chemical Engineering</i>				
		<i>Regalbuto, John</i>	<i>Em-Enhanced HyPOR Loop for Fast Fusion Fuel Cycles</i>	Clemson University/DOE	\$ 195,000
		<i>Ritter, James</i>	<i>Structured Adsorbent Material Testing and Evaluation</i>	W.L. Gore & Associates	\$ 170,000
	<i>Computer Science & Engineering</i>				
		<i>O'Kane, Jason</i>	<i>REU Site: Applied Computational Robotics</i>	National Science Foundation (NSF)	\$ 405,000

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	<i>Electrical Engineering</i>				
		<i>Dougal, Roger</i>	<i>Electric Ship Research and Development Consortium (ESRDC) 2021 – 2025</i>	Florida State University/ONR	\$ 7,097,638
		<i>Santi, Enrico</i>	<i>Fuel Cell System Modeling STTR</i>	Piasecki Aircraft Corp/AFRL/DOD	\$ 45,000
	<i>Mechanical Engineering</i>				
		<i>De Backer, Wout</i>	<i>Raytheon - ARM Welding Support</i>	Raytheon Technologies Research Center/US Army/DOD	\$ 25,000
			<i>Smart Tooling - Phase 1 SBIR Subcontract - Smart Tooling Evaluation for Automated Thermoplastic Manufacturing</i>	Spintech/DOD	\$ 16,600
		<i>Harik, Ramy</i>	<i>HICAM 3.07 - DFM & CAPP Tools</i>	National Aeronautics & Space Administration (NASA)	\$ 110,250
			<i>Coagulation Companion for Kids</i>	MicroVide/U of Mass-Worcester (CAPCaT)/NIH	\$ 29,800
		<i>Knight, Travis</i>	<i>University of South Carolina Next Generation Engineering Fellowship Program</i>	U.S. Nuclear Regulatory Commission (NRC)	\$ 400,000
		<i>Vitzilaios, Nikolaos</i>	<i>Field Implementation of a Digital Image Correlation Enabled Drone for Non-Contacting Measurements of Railroad Infrastructure</i>	Federal Railroad Administration/DOT	\$ 75,670
<i>College of Nursing</i>					
	<i>Nursing</i>				
		<i>Jaja, Cheedy</i>	<i>The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access</i>	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH	\$ 503,932
<i>College of Social Work</i>					
	<i>Social Work - Dean's Office</i>				
		<i>Maas, Carl</i>	<i>Power UP! 2021</i>	SC Vocational Rehabilitation Department (SCVRD)/USDE	\$ 632,771
		<i>Woo, Bongki</i>	<i>COVID-19, Racial Discrimination and Civic Engagement among Asian American Young Adults</i>	University of Chicago/Russell Sage Foundation	\$ 23,478
<i>Division of Student Affairs</i>					
	<i>Student Health</i>				
		<i>Cato, Emily</i>	<i>Choose Well LARC Grant 2021: Campus Clinic Partner sub-award</i>	New Morning Foundation	\$ 160,000
<i>School of Law</i>					
	<i>Law - Dean's Office</i>				
		<i>Samuels, Joel</i>	<i>Subaward from The Asia Foundation (TAF), Building Capacity to Counter Illegal Mining in Mongolia</i>	The Asia Foundation (TAF)/ US Department of State (DOS)	\$ 230,000

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			<i>Rule of Law Certificate Program STO-3 in Ukraine</i>	Chemonics International LLC/USAID	\$ 59,833
School of Medicine					
	<i>Basic Science Research</i>				
		<i>Webb, Robert</i>	<i>Decreased Thermosensitive Receptor Channel Activity Leads to Diabetic Erectile Dysfunction</i>	Sexual Medicine Society of North America (SMSNA)	\$ 4,000
	<i>Pediatrics</i>				
		<i>Rotholz, David</i>	<i>South Carolina Expanding Disabilities Networks Access to COVID 19 Vaccine</i>	Administration on Community Living/HHS	\$ 59,701
	<i>Pharm., Physiology & Neuroscience</i>				
		<i>Pujhari, Sujit</i>	<i>Identification and validation of Zika virus receptor(s) in the midgut lumen of Aedes aegypti</i>	National Institute of Allergy and Infectious Diseases (NIAID)/NIH	\$ 416,126
University of SC Aiken					
	<i>AK Biology & Geology</i>				
		<i>Harmon, Sarah</i>	<i>Workforce Opportunities in Regional Careers (WORC I) Renewal</i>	SRS Community Reuse Organization(SRSCRO)/NNSA/DOE	\$ 841,000
		<i>Sullivan, Jessica</i>	<i>Topographic Controls on Overmarsh Circulation and Sedimentation Along a Salt Marsh - Forest Continuum</i>	National Science Foundation (NSF)	\$ 808,867
University of SC Beaufort					
	<i>BFT Natural Sciences</i>				
		<i>Brugler, Mercer</i>	<i>Elucidating Oyster Reef Biodiversity with eDNA</i>	Spring Island Trust	\$ 25,000
	<i>BFT Social Sciences</i>				
		<i>Thomas, Najmah</i>	<i>Gullah/Geechee Agro-Culture: Sustaining culture to sustain agriculture in the Lowcountry</i>	University of Georgia/USDA	\$ 325,160