

University of South Carolina — August 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>				
		Smithwick, Julie	Community Health Workers Reducing Diabetes in South Carolina	SC Research Foundation (SCRF)/BCBS Foundation of SC	\$ 460,903
	<i>Communication Sci & Disorders</i>				
		Fitton, Lisa	Language difference or difficulty learning? Assessing early language skills to identify risk for reading difficulty among young Spanish-English dual language learners	National Institute of Child Health & Human Development (NICHD)/NIH	\$ 420,059
	<i>Environmental Health Sciences</i>				
		Porter, Dwayne	Operational Support of the National Estuarine Research Reserve System Centralized Data Management Office and Enhancements to the System-Wide Monitoring Program	National Oceanic & Atmospheric Administration (NOAA)/DOC	\$ 874,733
	<i>Epidemiology & Biostatistics</i>				
		Merchant, Anwar	Coordinating oral and antenatal care for mothers on Medicaid	USC Educational Foundation/The Duke Endowment	\$ 204,000
	<i>Exercise Science</i>				
		Beets, Michael	Predictors of Effective Scaling: A Meta-Epidemiological Study of Bias in Early-Stage Studies to Prevent Chronic Disease - Lauren von Klingraeff, Doctoral Student PI	National Institutes of Health (NIH)	\$ 121,248
		Pellegrini, Christine	Physical Activity and Weight Loss to Improve Function and Pain after Total Knee Replacement	National Institutes of Health (NIH)	\$ 2,874,843
	<i>Health Prom., Educ. & Behavior</i>				
		Annang-Ingram, Lucy	Promoting High-Impact Alzheimer's Disease Research through the Use of Statewide Registries: Expanding Diversity in Aging Research.	National Institute on Aging (NIA)/NIH	\$ 231,160
		Li, Xiaoming	Big Data Health Science Fellow Program for Infectious Diseases (R25)	National Institute of Allergy and Infectious Diseases (NIAID)/NIH	\$ 1,754,980
		Thrasher, James	Evaluating nutrition labeling policy changes in the US and Mexico.	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH	\$ 3,453,679
	<i>Public Health - Dean's Office</i>				
		Heyward, Andrea	Building Capacity for Community Health Workers in Rural and Primary Healthcare	USC School of Medicine Educational Trust/SCDHHS	\$ 100,000
College of Arts and Sciences					
	<i>Anthropology</i>				
		DeWitte, Sharon	Doctoral Dissertation Research: Histories of Stress: A Life Course Approach to Population Health in Medieval Berlin	National Science Foundation (NSF)	\$ 22,753
		DeWitte, Sharon	Doctoral Dissertation Research: Sex Differentials in Frailty in Medieval Ireland	National Science Foundation (NSF)	\$ 25,194
	<i>Archaeology & Anthropology</i>				
		Spirek, James	USS Housatonic Investigation Project	The Hunley Commission (HC)	\$ 50,000
	<i>Arts & Sci. - Dean's Office</i>				
		Benitez-Nelson, Claudia	Collaborative Research: US GEOTRACES GP17-OCE and GP17-ANT: Export and remineralization rates of bioactive and particle reactive trace elements using thorium-234	National Science Foundation (NSF)	\$ 140,467

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	<i>Biological Sciences</i>				
		Senner, Nathan	Climate change, community dynamics, and long-distance migratory birds	National Science Foundation (NSF)	\$ 349,864
	<i>History</i>				
		Donaldson, Bobby	A Community Engagement Strategy for Justice for All: South Carolina and the American Civil Rights Movement	USC Educational Foundation/CCCF	\$ 24,458
	<i>Mathematics</i>				
		Dilworth, Stephen	Banach Spaces and Applications	Simons Foundation	\$ 42,000
		Thorne, Frank	Quantitative Methods in Arithmetic Statistics	National Science Foundation (NSF)	\$ 191,555
	<i>Psychology</i>				
		Becker, Kimberly	Mentoring Grant 2021 Becker and Chu	SCRF/William T. Grant Foundation	\$ 60,000
		Chu, Wendy	Collective Trauma Requires Collective Healing: Understanding How Asian Americans Respond to Anti-Asian Racism Using a Racial Healing Framework	American Psychological Association (APA)	\$ 2,411
		Will, Elizabeth	Early Developmental Determinants and Pathways in Down syndrome	National Institute of Child Health and Development (NICHD)/NIH	\$ 291,072
	<i>School of Earth, Ocean & Env.</i>				
		Voulgaris, George	SECOORA - Partnering to meet the needs of coastal communities for actionable information to protect lives and property: SC HF Radar	Southeast Coastal Ocean Observing Regional Association (SECOORA)/NOAA	\$ 550,000
College of Education					
	<i>Educational Studies</i>				
		Carlson, Ryan	Examining the Factor Structure of the Posttraumatic Growth Inventory in a Sample of Sexual Minority Adults: Confirmatory Factor Analysis	Association for Assessment and Research in Counseling (AARC)	\$ 2,500
	<i>Instruction & Teacher Educ.</i>				
		Schnake, Kerrie	Be Well Care Well Sustainability	MUSC/W.K. Kellogg Foundation	\$ 103,335
College of Engineering & Comp.					
	<i>Chemical Engineering</i>				
		Williams, Christopher	REU Site: CO2 Chemical Engineering – Opportunities and Challenges	National Science Foundation (NSF)	\$ 413,036
	<i>Computer Science & Engineering</i>				
		Sheth, Amit	Perкуро	Wipro Limited	\$ 451,965
		Sheth, Amit	Enabling Factory to Factory (F2F) Networking for Future Manufacturing across South Carolina	South Carolina Research Authority (SCRA)	\$ 1,199,944
		Srivastava, Biplav	A flexible Conversational Agent for home networking setting using Rasa	Tantiv4, Inc.	\$ 16,000
		Srivastava, Biplav	Analysis of Power IoT data for management of infrastructure	Tantiv4, Inc.	\$ 32,000
	<i>Mechanical Engineering</i>				

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		Farouk, Tanvir	SUPERCRITICAL COMBUSTION RELATED TO SUPERCRITICAL WATER OXIDATION PROCESS AND RECYCLING OF NON-EDIBLE BIOMASS	College of Charleston/SC Space Grant/NASA EPSCOR	\$ 88,035
		Gross, Andrew	An Aerial Platform to Navigate the Troposphere of Venus Enabled by New Cellular Materials	College of Charleston/NASA (EPSCoR)	\$ 88,035
		Huang, Xinyu	Impact of Hydride and Hydride Distribution on the Mechanical Strength of Accident Tolerant Fuel Clad	Westinghouse/DOE	\$ 524,838
		Yuan, Lang	Advanced Machine and Process Architecture for Refractories via Laser Powder Bed Fusion Additive Manufacturing	College of Charleston/SC Space Grant/NASA EPSCoR	\$ 88,035
College of Information & Comm.					
	School of Information Sciences				
		Green, Lucilia	Online Ready: Designing Culturally Competent and Impactful K-12 Online Learning	Institute of Museum and Library Services (IMLS)	\$ 487,688
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		Sahin, Ozgur	Enhancing the efficacy of antibody-drug conjugate (ADC) therapy in aggressive breast cancers	Mary Kay Foundation	\$ 100,000
	Pharm - Clin Pharm & Outcomes Sciences				
		Lu, Kevin	Trajectory of Patients with Treatment Resistant Depression	Merck Sharp & Dohme Corp.	\$ 354,500
College of Social Work					
	Social Work - Dean's Office				
		Browne, Teri	Health system outreach to eliminate disparities in living kidney transplants	Duke University/ NIDDK/ NIH	\$ 60,541
		Roth, Benjamin	Promoting education equity for immigrant students: Examining the influence of school social workers	University of Maryland/W T Grant Foundation	\$ 14,000
Darla Moore School of Business					
	Moore Sch - Div. of Research				
		Von Nessen, Joseph	EngenuitySC: 2021 Midlands Regional Competitiveness Report	EngenuitySC	\$ 10,000
		Von Nessen, Joseph	The Economic Impact of Prisma Health on South Carolina	Prisma Health	\$ 95,500
School of Law					
	Children's Law Center				
	Law - Dean's Office				
Hosp., Retail, & Sport Mgmt					
	Hotel, Restaurant & Tour Mgmt				
		Pennington-Gray, Lori	Economic Impact of Chikungunya on Tourism	Valneva USA, Inc.	\$ 74,568
International Programs					
	Global Carolina				
		Porter, Mark	Study of the U.S. Institutes for Student Leaders from Europe University of South Carolina - Civic Engagement	FHI360/Department of State (DOS)	\$ 243,103

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<i>Koger Center</i>					
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		<i>Terracio, Nathan</i>	<i>Shuttered Venue Operators Grant</i>	U.S. Small Business Administration (SBA)	\$ 641,590
<i>School of Medicine</i>					
	<i>Basic Science Research</i>				
		<i>Spinale, Francis</i>	<i>IPA: Kevin Thomas</i>	WJB Dorn VA Medical Center/VA	\$ 173,738
	<i>Cell Biology & Anatomy</i>				
		<i>Morad, Martin</i>	<i>Functional implications of CPVT1-associated RyR2 mutations in human cardiomyocytes</i>	National Heart, Lung, and Blood Institute (NHLBI)/NIH	\$ 2,038,642
		<i>Wenceslau, Camilla</i>	<i>Intrarenal Arteries Sense N-formyl Peptides Leading to Vascular Injury in Sepsis</i>	National Institute of General Medical Sciences (NIGMS)/NIH	\$ 59,426
		<i>Wenceslau, Camilla</i>	<i>Formyl peptide receptor activation induces vascular plasticity and remodeling in hypertension</i>	National Heart, Lung, and Blood Institute (NHLBI)/NIH	\$ 1,849,956
	<i>Internal Medicine</i>				
		<i>Al-hasan, Majdi</i>	<i>Antimicrobial Stewardship Collaborative of South Carolina (ASC-SC): TeleECHO</i>	Prisma Health - Midlands/SCCRPH/SCDHHS	\$ 179,496
	<i>Pediatrics</i>				
		<i>Rotholz, David</i>	<i>Leadership Education in Neurodevelopmental and Related Disorders (LEND)</i>	Medical University of South Carolina (MUSC)/HHS	\$ 759,410
<i>University of SC Aiken</i>					
	<i>AK Biology & Geology</i>				
		<i>Shervette, Virginia</i>	<i>Lane Snapper: Filling in Critical Gaps for Life History Parameters in U.S. Caribbean Waters</i>	Caribbean Fisheries Management Council (CFMC)/NOAA	\$ 65,419
	<i>AK Childrens Center</i>				
		<i>Williams, Lynnette</i>	<i>Emergency Operations Grant</i>	SC Department of Social Services (SC DSS)/HHS	\$ 37,000
	<i>AK Visual & Performing Arts</i>				
		<i>Crook, Paul</i>	<i>Shuttered Venue Operators Grant</i>	US Small Business Administration (SBA)	\$ 105,275
<i>University of SC Beaufort</i>					
	<i>BFT Center for the Arts</i>				
		<i>Hargrove, Bonnie</i>	<i>Small Business Association Shuttered Venue Grant</i>	US Small Business Administration (SBA)	\$ 239,063
	<i>BFT Chancellor's Office</i>				
		<i>Panu, Al</i>	<i>French Francophone Pluralities and Collaborations in the Southeast USA</i>	The Cultural Services of the Embassy of France in the United States	\$ 10,000

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<i>University of SC Upstate</i>					
	<i>UPS Dept of Education</i>				
		<i>Turgut, Refika</i>	<i>Collaborative Research: Developing an Integrated Computer Science Curriculum for Culturally and Linguistically Diverse Classrooms at Grades 3-5</i>	National Science Foundation (NSF)	\$ 241,897
	<i>UPS Human Perform and Hlth</i>				
		<i>Randall, Kristina</i>	<i>2020 Community Engaged Scholars</i>	Medical University of South Carolina (MUSC)	\$ 9,552