

## University of South Carolina — October 2021 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
<b>Arnold School of Public Health</b>					
	<i>Communication Sci &amp; Disorders</i>				
		Neils-Strunjas, Jean	CREATE 2022	SC Department of Education/USDE	\$ 218,930
	<i>Exercise Science</i>				
		Arent, Shawn	A Prospective, Randomized, Double-Blind, Placebo-Controlled Trial to Assess the Physiological, Biochemical, and Psychometric Impacts of a Brand-Specific Hemp-Derived Cannabidiol Product in Healthy Adults	Nutrasource Pharmaceutical and Nutraceutical Services Inc./CBD Industries, LLC.	\$ 232,691
	<i>Health Prom., Educ. &amp; Behavior</i>				
		Frongillo, Edward	Improving WIC Services: Identifying Children at Risk for Obesity in the First 24 Months of Life	University of California at Davis/NHLBI/NIH	\$ 19,992
	<i>Health Services Policy &amp; Mgmt</i>				
		OLATOSI, BANKOLE	Big Data Health Science Scholar Program for Infectious Diseases	National Institute of Allergy & Infectious Diseases (NIAID)/NIH	\$ 763,670
<b>College of Arts and Sciences</b>					
	<i>Baruch Institute</i>				
		Dunn, Robert	Integrating climate change effects into ecosystem-based fisheries management: Penaeid shrimp in the southeast US	The Regents of the University of Michigan/NOAA/DOC	\$ 599,959
	<i>Biological Sciences</i>				
		Poulain, Fabienne	Beyond ephrins: unbiased discovery of novel signaling pathways regulating topographic map formation and maturation in vivo.	National Institute of Neurological Disorders and Stroke (NINDS)/NIH	\$ 407,545
		Twiss, Jeffery	Homeostatic Reset as a New Therapeutic Paradigm for Slow Progression Diseases	East Carolina University (ECU)/NIGMS/NIH	\$ 683,450
	<i>Center for Science Education</i>				
		Jordan, Donald	USC Junior Science & Humanities Symposium (JSHS)	National Science Teachers Association (NSTA)/DOD	\$ 28,252
	<i>Chemistry &amp; Biochemistry</i>				
		Sutton, Christopher	Beyond-DFT Electrochemistry with Accelerated and Solvated Techniques (BEAST)	Rensselaer Polytechnic Institute (RPI)/DOE	\$ 376,000
	<i>Mathematics</i>				
		Boylan, Matthew	Number Theory Meetings in the Southeast	National Security Agency (NSA)	\$ 15,029
	<i>McKissick Museum</i>				
		Burgess, Lana	NEH Preservation Assistance Grants for Smaller Institutions to Purchase Materials and Supplies for the Long-Term Care of Folklife Collections at McKissick Museum	National Endowment for the Humanities (NEH)	\$ 9,993
		Przybysz, Jane	SCAC Folklife Partnership Renewal Grant	South Carolina Arts Commission	\$ 66,033
			Pearl Fryar Topiary Garden Capital Investment	Lee County/ARPA/USDOT	\$ 14,550

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	<i>Psychology</i>				
		Weist, Mark	Improving Social, Emotional, Behavioral, and Academic Functioning of Elementary School Students through the Interconnected Systems Framework	East Carolina University/IES/USDE	\$ 1,756,552
	<i>School of Earth, Ocean &amp; Env.</i>				
		Bourbonnais, Annie	Evaluating nitrogen removal strategies to improve stormwater management practices in coastal South Carolina	SC Sea Grant Consortium/NOAA	\$ 156,359
	<i>Sociology</i>				
		Brashears, Matthew	Societal Impact of Nuclear Detonations Phase 2	Defense Threat Reduction Agency/ARA, Inc./DOD	\$ 396,292
<b>College of Education</b>					
	<i>Education - Dean's Office</i>				
		Berry, Barnett	Creating a Coherent System of Teacher and School Leader Development for Deeper, More Equitable Learning and Whole Child Education	Carnegie Corporation of New York	\$ 200,000
	<i>Research, Eval., &amp; Measurement</i>				
		Lewis, Ashlee	South Carolina Arts Assessment Program (SCAAP)	SC Department of Education (SCDE)	\$ 80,000
			Evaluation Plan for MUSC Teen Science Ambassador Program	Medical University of South Carolina (MUSC)/NIH	\$ 147,967
<b>College of Engineering &amp; Comp.</b>					
	<i>Chemical Engineering</i>				
		Meekins, Benjamin	Nuvera 5 Samples -- Roger Van Boeyen (September 2021)	Nuvera Fuel Cells, LLC	\$ 7,987
		Mustain, William	Engineering of Scalable Platinum-free Electrodes for Pure-Water AEM Electrolysis	Origen Hydrogen, Inc/ARPA-E/DOE	\$ 135,000
	<i>Civil &amp; Environmental Eng.</i>				
		Hoque, Shamia	Siloxane removal from landfill gas using DBD-plasma: A feasibility study for Three Rivers Solid Waste Authority	Environmental Research and Education Foundation (EREF)	\$ 81,284
	<i>Computer Science &amp; Engineering</i>				
		Sheth, Amit	NSF Convergence Accelerator Track F: Actionable Sensemaking Tools for Curating and Authenticating Information in the Presence of Misinformation during Crises	Ohio State University (OSU)/NSF	\$ 149,999
	<i>Mechanical Engineering</i>				
		Harik, Ramy	Augmenting Physics-Based Design and Multi-Physics Based Manufacturing with Data Driven Models to Manufacture Advanced Composites Structures with Automated Fiber Placement	College of Charleston/NASA EPSCoR	\$ 700,535
<b>College of Pharmacy</b>					
	<i>Drug Discovery &amp; Biomed Sci.</i>				
		Shtutman, Michael	Knowledge discovery and machine learning to Elucidate the Mechanisms of HIV Activity and Interaction with Substance Use Disorder	National Institute on Drug Abuse(NIDA)/NIH	\$ 2,115,541
	<i>Pharm - Clin Pharm &amp; Outcomes Sciences</i>				

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		Mardis, Caitlin	Increasing Pharmacists' Awareness of "ATTRactive" Advancements in Transthyretin Amyloid Cardiomyopathy	Pfizer, Inc.	\$ 20,000
College of Social Work					
	Social Work - Dean's Office				
		Flynn, Cynthia	Fatherhood FIRE/H2O Program Evaluation Year 2	SC Center for Fathers and Families (SCCFF)/HHS	\$ 130,369
		Maas, Carl	National Opinion Research Center Consultant Contract	National Opinion Research Center (NORC)/OPA/HHS	\$ 15,000
Darla Moore School of Business					
	Moore Sch - Div. of Research				
		Von Nessen, Joseph	SCRA - FY21 Economic Impact Analysis	SC Research Authority (SCRA)	\$ 10,000
			S.C. Commission on Higher Education - Economic Impact of the SmartState Program - FY21	SC Commission on Higher Education	\$ 25,000
Economic Engagement					
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		Hardaway, Chad	South Carolina Rising: a seed fund and support structure	Economic Development Administration (EDA)/DOC	\$ 400,000
School of Medicine					
	Pediatrics				
		Rosa, Olga	DHHS/SCCAMRS Administrative Contract 7/1/2021-6/30/2024	SC Department of Health and Human Services/HHS	\$ 906,075
University of SC Aiken					
	AK School of Education				
		Beck, Judy	GT Graduate courses	SC Department of Education (SCDE)	\$ 41,862
University of SC Beaufort					
	BFT Academic Affairs				
		Skipper, George	Body worn cameras	South Carolina Department of Public Safety	\$ 11,500
	BFT Humanities				
		Morris, Brent	Second Founding of America - Project Reconstruction Archive	SC Humanities/NEH	\$ 15,000
			America's Reconstruction: The Untold Story	National Endowment for the Humanities (NEH)	\$ 199,401