

University of South Carolina — March 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>Communication Sci & Disorders</i>				
		<i>Fridriksson, Julius</i>	<i>Center for the Study of Aphasia Recovery (C-STAR)</i>	National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH	\$ 12,502,356
	<i>Epidemiology & Biostatistics</i>				
		<i>Eberth, Jan</i>	<i>Rural Border Health Chartbook: An Update</i>	National Rural Health Association(NRHA)/FORHP/HRSA/HHS	\$ 175,000
			<i>Rural Health Research Center Program 2020 (Award Transfer from SCRF to USC)</i>	Health Resources & Services Administration (HRSA)/HHS	\$ 370,000
	<i>Exercise Science</i>				
		<i>Moore, Robert</i>	<i>IPA Agreement with Dorn VA Medical Center - Colt Coffman</i>	WJB Dorn VA Medical Center/VA	\$ 9,100
	<i>Health Prom., Educ. & Behavior</i>				
		<i>Blake, Christine</i>	<i>Proposal for Inductive Qualitative Analysis with GAIN</i>	Global Alliance for Improved Nutrition	\$ 12,000
		<i>Frongillo, Edward</i>	<i>Impact Evaluation of GAIN Egg Campaign in two Nigerian States</i>	Global Alliance for Improved Nutrition	\$ 45,139
		<i>Rudisill, Anne</i>	<i>Bringing together research and operational priorities - evaluation of a technology and EMR-based strategy to screen for and intervene on Social Determinants of Health (SDoH)-related needs at Prisma Health (pilot study)</i>	Prisma Health-Upstate	\$ 19,872
	<i>Health Services Policy & Mgmt</i>				
		<i>Andrews, Christina</i>	<i>JCOIN Coordination and Translation Center - Community Stakeholder</i>	University of Chicago/George Mason University/NIDA/NIH	\$ 123,014
		<i>Cozad, Melanie</i>	<i>Toward Educating and Enabling Patients with Metastatic Breast Cancer in Shared Decision-Making Using mHealth Technology: Identifying Patient Therapeutic Goals and Preferences</i>	Prisma Health - Upstate	\$ 19,672
		<i>Liang, Chen</i>	<i>Prisma: Towards Personalized Discharge Summaries for Reducing Medication-related Harm</i>	Prisma Health-Upstate	\$ 19,986
			<i>Prisma: Deep Learning Assisted Opioid Use Disorder Diagnosis Using EHR data</i>	Prisma Health - Upstate	\$ 19,992
		<i>Natafji, Nabil</i>	<i>A Program to Enhance Teach-back Methods in Virtual Primary Care Visits (POTENTIAL): Building the capacity of medical residents to foster health literacy among patients</i>	Prisma Health - Upstate	\$ 19,940
	<i>PASOS</i>				
		<i>Martin, Maria</i>	<i>Fact Forward</i>	Fact Forward/DHHS Office of Population Affairs	\$ 40,000

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College of Arts and Sciences					
	<i>Archaeology & Anthropology</i>				
		Smith, Steven	Archaeological Survey of Tom Yawkey Wildlife Center Heritage Preserve	SCDNR/NPS/DOI	\$ 55,480
		Spirek, James	Yawkey Wildlife Center Heritage Preserve Intertidal Shoreline Pedestrian Survey	South Carolina Department of Natural Resources- Heritage Trust Program	\$ 9,000
	<i>Arts & Sci. - Dean's Office</i>				
		Benitez-Nelson, Claudia	Collaborative Research: Foraminiferal Ecological Response to Ocean Conditions in the Northwest Pacific Ocean	National Science Foundation (NSF)	\$ 377,418
	<i>Biological Sciences</i>				
		Senner, Nathan	The First Automated MOTUS Bird Monitoring Network for Northwest Mexico	Mexican NGO Pronatura Noroeste/U.S. Fish and Wildlife Service/DOI	\$ 27,254
	<i>Chemistry & Biochemistry</i>				
		Shustova, Natalia	Synthesis of Hierarchical Materials with a Tunable Photoisomerization Response	National Science Foundation (NSF)	\$ 458,902
	<i>Geography</i>				
		Cutter, Susan	Evaluation Services to Feeding America Subcontract	Virginia Tech University/Feeding America	\$ 30,556
	<i>History</i>				
		Varlik, Nukhet	Reconceiving the History of Plague in the Era of COVID-19: Arabic and Ottoman Turkish Sources in Translation	The Albert Lepage Center for History in the Public Interest at Villanova University	\$ 2,500
	<i>McKissick Museum</i>				
		Burgess, Lana	Carolina Knives: Handcrafted Traditions	South Carolina Humanities/NEH	\$ 7,500
College of Education					
	<i>Education - Dean's Office</i>				
		Berry, Barnett	Evidence-based SELs for Students	National University System (NUS)	\$ 80,000
	<i>Research, Eval., & Measurement</i>				
		D'Amico, Leigh	Countdown to Kindergarten Quasi-Experimental Evaluation	SC First Steps/SCDSS/HHS	\$ 20,131
		Lewis, Ashlee	Palmetto State Arts Education Research Partnership	Palmetto State Arts Education	\$ 15,000

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College of Engineering & Comp.					
	<i>Chemical Engineering</i>				
		<i>Mustain, William</i>	<i>Zn Particle Engineering for High Performance, Low-Gassing Alkaline Batteries</i>	Duracell	\$ 100,000
		<i>Regalbuto, John</i>	<i>Directed Electromagnetic Thermocatalysis for Selective Conversion of Waste Plastic to High Value Intermediates</i>	Savannah River National Laboratory (SRNL)/(EERE-AMO)DOE	\$ 40,000
	<i>Mechanical Engineering</i>				
		<i>Downey, Austin</i>	<i>Real-time Model Updating for Structures in Shock Environments</i>	AFOSR/DOD	\$ 450,000
		<i>Giurgiutiu, Victor</i>	<i>Hybrid physics-based AI-enabled crack-length estimation from AE signal signatures</i>	Office of Naval Research (ONR)/DOD	\$ 300,000
		<i>Gross, Andrew</i>	<i>Accurate and Efficient Qualification and Acceptance Protocol for Additively Manufactured Alloys</i>	Savannah River National Laboratory (SRNL)/DOE	\$ 146,490
		<i>Pandher, Jaspreet</i>	<i>Harper Engineering Thermoplastic Welding Consulting</i>	Harper Engineering Co	\$ 62,260
College of Pharmacy					
	<i>Palmetto Poison Center</i>				
		<i>Michels, Jill</i>	<i>Surveillance of the RADARS System by Poison Control Centers - transfer from SCRF to USC</i>	Denver Health and Hospital Authority	\$ 15,667
College of Social Work					
	<i>Social Work - Dean's Office</i>				
		<i>Soto-Ramirez, Nelis</i>	<i>CASA Gap Analysis Project</i>	National Court Appointed Special Advocates (CASA) & Guardian ad Litem (GAL)	\$ 63,897
			<i>2020 CASA Annual Survey Data Analysis and Reporting</i>	National Court Appointed Special Advocates (CASA) & Guardian ad Litem (GAL)	\$ 13,818
Darla Moore School of Business					
	<i>Moore Sch - Div. of Research</i>				
		<i>Savage, Jeffrey</i>	<i>University of South Carolina Darla Moore School of Business – Commercialization Potential of Engineered Cellular Magmatics</i>	Savannah River National Laboratory (SRNL)/DOE	\$ 25,000
		<i>Von Nessen, Joseph</i>	<i>Morrison Yard Owner LLC: Economic Impact Analysis</i>	Morrison Yard Owner LLC	\$ 64,250

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	<i>Small Business Dev. Ctr.</i>				
		<i>Abraham, Michele</i>	<i>SC Small Business Development Centers Program Announcement - SBA 2021 Funding Opportunity</i>	US Small Business Administration (SBA)	\$ 1,887,354
Economic Engagement					
	<i>Ofc of Economic Engagement</i>				
		<i>Hardaway, Chad</i>	<i>University of South Carolina OEE PTAC</i>	Defense Logistics Agency(DLA)/DOD	\$ 522,164
School of Medicine					
	<i>Neurology</i>				
		<i>Cuturic, Miroslav</i>	<i>HDSA Center of Excellence</i>	Huntington's Disease Society of America (HDSA)	\$ 19,250
	<i>Path, Microbio. & Immunology</i>				
		<i>Catropo, James</i>	<i>ICPI Medical Student Group (MSIG) Program for the 2020-2021 Academic Year</i>	Intersociety Council for Pathology Information, Inc./ASIP	\$ 500
	<i>Pediatrics</i>				
		<i>Cramer, Stuart</i>	<i>Study Chair NIH Pediatric Early Phase Clinical Trials Network (PEP-CTN) Grant (UM1CA228823) Successor to NIH Phase I Grant (2UM1CA097452)</i>	COG-Children's Hospital of Philadelphia/NCI/NIH	\$ 19,385
School of Medicine (Grvl)					
	<i>Medicine Greenville</i>				
		<i>Blenda, Anna</i>	<i>Glycomic profiling of tumor and surrounding normal tissue of breast cancer patients to improve accuracy of staging and prognosis</i>	Prisma Health - Upstate	\$ 20,000
		<i>Grier, Jennifer</i>	<i>Interferon-Independent Immune Contributions of IFI44 and IFIT3 to SARS-CoV-2 Clinical Complications In Search of Early COVID-19 Exposure and Risks in Emergency Healthcare Workers - November 2019 to March 2020</i>	Prisma Health - Upstate	\$ 20,000
			<i>Community Health and Health Disparities in Pediatric Respiratory Virus Infections with SARS-CoV-2 and RSV in Upstate South Carolina</i>	Prisma Health - Upstate	\$ 20,000
University of SC Aiken					
	<i>AK Childrens Center</i>				
		<i>Williams, Lynnette</i>	<i>DSS Emergency Operations Grant</i>	SC Department of Social Services (DSS)/HHS	\$ 20,000
University of SC Beaufort					
	<i>BFT Academic Affairs</i>				
		<i>Skipper, George</i>	<i>South Coast Regional Cybersecurity Education and Development Program</i>	US Department of Defense (DOD)	\$ 1,302,815