

University of South Carolina — January 2024 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health	Applied Research & Evaluation (CARE)				
		<i>Gillam, Pamela</i>	<i>Aiken County Needs Assessment to Address the Opioid Crisis</i>	Aiken Center for Substance Use Services	61,006
		<i>Workman, Lauren</i>	<i>Healthy Palmetto Community Focus Groups</i>	SC Hospital Association Foundation (SCHAF)	19,842
	Center for Community Health Alignment				
		<i>Rawlinson, Kimberly</i>	<i>Johnson & Johnson ORTHE CCHA 2024</i>	SC Research Foundation (SCRF)/Johnson & Johnson Services, Inc.	319,000
		<i>Smithwick, Julie</i>	<i>Envision Healthy Equitable Communities Year 3</i>	Wisconsin Department of Health Services/CDC	858,583
	Communication Sci & Disorders				
		<i>Fitton, Lisa</i>	<i>Reach Every Reader: Dyslexia Screener Validation Program in South Carolina</i>	Learning Ally (with original funding from the South Carolina Department of Education)	190,000
	Epidemiology & Biostatistics				
		<i>Liu, Jihong</i>	<i>Upstate Healthy Start 2023 - 2028</i>	Prisma Health - Midlands/HRSA/HHS	578,385
	Health Prom., Educ. & Behavior				
		<i>Byers, Megan</i>	<i>Master Plan on Aging Infographics Library</i>	The Center for Health Care Strategies, Inc.	10,000
		<i>Draper, Carrie</i>	<i>Project 1: Library Nutrition Support Implementation</i>	SC Department of Social Services (SCDSS)/USDA	141,071
			<i>Project 2: 5-2-1-0 Social Marketing Campaign</i>	SC Department of Social Services (SCDSS)/USDA	181,871
			<i>Project 3: State-Level Food Policy Council</i>	SC Department of Social Services (SCDSS)/USDA	199,916
			<i>Project 4: Local Food Policy Councils</i>	SC Department of Social Services (SCDSS)/USDA	176,093
			<i>Project 5: Transportation and Planning</i>	SC Department of Social Services (SCDSS)/USDA	199,205
			<i>Project 6: Statewide SNAP-Ed Evaluation</i>	SC Department of Social Services (SCDSS)/USDA	196,301
			<i>Share Our Strength's No Kid Hungry Campaign</i>	Share Our Strength	50,000
		<i>Frongillo, Edward</i>	<i>Healthy Diets Monitoring Initiative (HDMI): Advancing Decision Support Tools</i>	Trustees of Tufts College/Bill and Melinda Gates Foundation	50,944

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		Yang, Xueying	Transitioning youth living with HIV to adult-oriented care: a statewide population-based study	National Institute of Child Health & Human Development (NICHD)/NIH	398,311
	Health Services Policy & Mgmt				
		Andrews, Christina	South Carolina Center for Excellence in Addiction	South Carolina Opioid Recovery Fund (SCORF)	352,050
College of Arts and Sciences					
	Archaeology & Anthropology				
		Goodyear, Albert	23-24 Continuation of Analysis and Cataloging of Topper Site Artifacts	SC Research Foundation/Felburn Foundation	30,000
		Stephenson, Donald	South Carolina Institute of Archaeology and Anthropology/Savannah River Archaeological Research Program Cooperative Agreement: United States Department of Energy for FY2023 - FY2028	Savannah River Operations (Administrator)/US Department of Energy (DOE)	4,964,015
	Baruch Institute				
		Morris, James	Jekyll Creek Thin Layer Placement Monitoring and Analysis of Ecosystem Response	Georgia Southern University/ERDC-Army/DOD	57,587
	Biological Sciences				
		Chen, Hui	Hierarchical Onset of Germ Layer Specification	National Institute of Child Health & Human Development (NICHD)/NIH	36,189
	Chemistry & Biochemistry				
		Walters, Wendell	Assessment of Multiscale Air Quality Model (CMAQ) Representation of Spatiotemporal Atmospheric Nitrate Chemical Production in New England	National Science Foundation (NSF)	168,980
	Criminology & Criminal Justice				
		Alpert, Geoffrey	Evaluating Artificial Intelligence Interventions in Police Body-Cameras: Truleo + Police Supervision	Laura and John Arnold Foundation	213,603
		Boehme, Hunter	A longitudinal cohort mixed methods study of the impact of mental health on retention and turnover among early career police officers in South Carolina	US Department of Justice (DOJ)	1,000,000
	Geography				
		Kupfer, John	A Proposal to Host the USGS Southeast Climate Adaptation Science Center	NC State University/US Geological Survey/DOI	162,899
	History				
		Stuckey, Melissa	2022 HPF AACR - Elizabeth City State University (NPS AACR Historic Preservation Grant)	Elizabeth City State University/NPS/DOI	44,952
			2022 HPF Elizabeth City State University - Principal's House Rehabilitation (NPS HBCU Grant)	Elizabeth City State University/NPS/DOI	49,498
	McKissick Museum				
		Burgess, Lana	SCAC Folklife Partnership Grant Renewal FY23-24	SC Arts Commission	70,517

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	Political Science				
		<i>Liu, Howard (Hao)</i>	<i>Informant Networks, Intelligence Selection, and State Repression</i>	National Cheng Kung University/Chiang Ching-Kuo Foundation for International Scholarly Exchange (CCKF)	65,700
		<i>Lunz Trujillo, Kristin</i>	<i>Assessing the Effectiveness of Common Health Messaging Tactics on Self-Reported and Validated Vaccine Uptake – A Multi-Method Approach</i>	Boston University/NSF	17,999
	Psychology				
		<i>Smith, Courtnie</i>	<i>John H. Magill School Mental Health Certificate Program</i>	SC Department of Mental Health (SCDMH)	37,500
College of Education					
	Leadership, Learning Design, & Inquiry				
		<i>Harshe, Gaurav</i>	<i>Building Interfaith America Grant</i>	Interfaith America	4,000
	Research, Eval., & Measurement				
		<i>Leighton, Elizabeth</i>	<i>Evaluation of School District Five of Lexington and Richland Counties Project Aspire Magnet Program</i>	School District Five of Lexington and Richland Counties/USDE	875,000
		<i>Lewis, Ashlee</i>	<i>Impact Evaluation of Engaging Creative Minds (ECM) Summer and Afterschool Programs - 2023-2024</i>	Engaging Creative Minds	95,000
	Teacher Education				
		<i>Yow, Jan</i>	<i>Using Research Practice Partnerships to Take Preliminary Steps towards a Full-fledged Investigation of the Influence of Teacher Leaders on STEM Teacher Effectiveness and Retention - Advancing Teacher Leadership by Advantaging Systems: Capacity Building (A</i>	University of Nebraska-Lincoln/NSF	20,000
College of Engineering & Comp.					
	Chemical Engineering				
		<i>Ritter, James</i>	<i>Evaluation of Adsorbents for Hydrocarbon Adsorption</i>	ColdStream Energy, LLC	175,000
		<i>Wei, Tao</i>	<i>Simulation Studies of New Zwitterionic and Amphiphilic Polymer Surfaces</i>	Office of Naval Research (ONR)/DOD	384,819
	Civil & Environmental Eng.				
		<i>Dykstra, Steven</i>	<i>Using Historical Water-Level Records to Predict the Effects of Relative Sea-Level Rise and Habitat Changes in the SF Bay Delta-Y2</i>	California Polytechnic State University/US Bureau of Reclamation/DOI	9,741
		<i>Imran, Jasim</i>	<i>NSF Convergence Accelerator Track K: COMPASS: Comprehensive Prediction, Assessment, and Equitable Solutions for Storm-Induced Contamination of Freshwater Systems</i>	National Science Foundation (NSF)	650,000
	Electrical Engineering				
		<i>Santi, Enrico</i>	<i>Advanced Controls and Decision Aids Based on Digital Twins for Power and Energy Systems</i>	Office of Naval Research (ONR)/DOD	9,997,059

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	IIT - Engineering				
		<i>Crichigno, Jorge</i>	<i>DARPA SBIR: CIREN-5G: A novel cybersecurity, resiliency and performance assurance technology for private-5G networks"</i>	OPEX Systems, LLC/SBIR - DARPA/DOD	120,000
		<i>Hikmet, Neset</i>	<i>IMAGINE R&D Phase 2</i>	Connecting Health Innovations LLC	20,730
	Mechanical Engineering				
		<i>Besmann, Theodore</i>	<i>DOE: Effect of Multiple Uranium Complexes on Chloride Fast Reactor Molten Salt Properties</i>	University of Connecticut/DOE	294,657
		<i>Ling, Yue (Stanley)</i>	<i>NASA: Multi-scale simulations of two-phase flows and heat transfer in confined geometries using embedded thin-film models</i>	NASA	224,934
		<i>Sockalingam, Subramani</i>	<i>A-006 Characterization of Composite Material Properties for the LS-DYNA MAT213 Model</i>	College of Charleston/NASA (EPSCoR)	87,415
		<i>Won, Sang Hee</i>	<i>Basic Research on Coke Characteristics of Liquid Hydrocarbon Mixtures and Fuels</i>	Kyonggi University/Agency for Defense Development of Korea	106,060
College of Nursing					
	Nursing				
		<i>Dawson, Robin</i>	<i>(Mia Barron) Assessing and Improving Communication Strategies Among African American Individuals with Systemic Lupus Erythematosus</i>	Rheumatology Research Foundation	15,000
		<i>Inman, Dianna</i>	<i>Improving Access to Care: Early Identification and Treatment of Children and Adolescents in rural underserved communities with ADHD and behavioral disturbances through school-based telehealth</i>	USC Educational Foundation/The Duke Endowment	730,000
College of Pharmacy					
	Drug Discovery & Biomed Sci.				
		<i>Porcu, Alessandra</i>	<i>Circadian regulation of dopamine 1 receptor signaling in the Nucleus Accumbens</i>	National Institute of Mental Health (NIMH)/NIH	409,750
College of Social Work					
	Families in Society, Institute				
		<i>Lopez-DeFede, Ana</i>	<i>Implementing doula care in Medicaid to advance racial equity in severe maternal morbidity</i>	Academy Health/PCORI	767,990
	Social Work - Dean's Office				
		<i>Levkoff, Sue</i>	<i>Mobile application for early detection and intervention to reduce psychological distress in informal family caregivers of community dwelling adults with chronic disorders in Thailand</i>	Brigham and Women's Hospital/NIH	40,812
Darla Moore School of Business					
	Moore Sch - Div. of Research				
		<i>Von Nessen, Joseph</i>	<i>MUSC: Economic Impact Analysis</i>	Medical University Hospital Authority (MUHA)/MUSC	50,000
			<i>Dorchester Heritage Center: Economic Impact Analysis</i>	Dorchester Heritage Center	30,000
	Small Business Dev. Ctr.				
		<i>Abraham, Michele</i>	<i>SSBCI Technical Assistance Grant</i>	JEDA/USDOT	3,102,893

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Division of Student Affairs					
	Substance Abuse and Prevention				
		<i>Hourigan, Aimee</i>	<i>Harm Reduction Services - State 2024</i>	Department of Alcohol & Other Drug Abuse Services (DAODAS)	16,000
			<i>Great Plays at Carolina 2024</i>	International Town and Gown Association (ITGA)	14,999
Hosp., Retail, & Sport Mgmt					
	Sport & Entertainment Mgmt				
		<i>Koesters, Todd</i>	<i>FC Cincinnati (FCC) Fan Panel Proposal</i>	Fussball Club (FC) Cincinnati, LLC	172,500
School of Law					
	Children's Law Center				
		<i>Dhunjshah, L Michelle</i>	<i>S.C. Department of Juvenile Justice Contract</i>	SC Department of Juvenile Justice	225,000
	Law - Dean's Office				
		<i>Suski, Emily</i>	<i>Medical-Legal Partnerships (MLPs) As an Equitable Child Welfare Prevention Model</i>	USC Educational Foundation/The Duke Endowment	1,498,000
School of Medicine					
	Cell Biology & Anatomy				
		<i>Potts, Jay</i>	<i>A novel therapeutic approach to treat cardiovascular disease</i>	XLerate Health, LLC/NIH	25,000
	Family & Preventive Medicine				
		<i>Rhodes, Morgan</i>	<i>Group Education and Diabetes Care: Piloting a New Model within a High-Need Family Medicine Residency Program</i>	USC Educational Foundation/The Duke Endowment	575,000
	MDC Ctr Disability Resources				
		<i>Rotholz, David</i>	<i>Byrne State Crisis Intervention Program</i>	Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ	765,325
	MDC Office of Dean				
		<i>Rahemtullah, Omme-Salma</i>	<i>Improving Fresh Food Access in Rural South Carolina (CRPH)</i>	SC Center for Rural and Primary Healthcare/SCDHHS	150,000
School of Medicine (Grvl)					
	Medicine Greenville				
		<i>Quesnelle, Kelly</i>	<i>Sex and Gender Curricular Assessment and Revision (SG-CAR)</i>	Prisma Health Upstate/NIH	253,838
University Health Services					
	Health Services				
		<i>Cato, Emily</i>	<i>Choose Well Grant</i>	New Morning Foundation	110,000
University Libraries					
	Univ Libraries - Dean's Office				

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		<i>Britton, Jeanne</i>	<i>Library Exhibition -- Letters, Music, and the First Black British Vote: Ignatius Sancho's Life and Times</i>	Gladys Kriebel Delmas Foundation	10,000
University of SC Aiken	AK Chemistry				
		<i>Borders, Bryan</i>	<i>MOF-Based Mercury Sensor Development</i>	Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE	249,548
		<i>Marshall, Nicholas</i>	<i>Synthesizing, Compounding, and Characterizing a Heat Labile Foam</i>	Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE	210,000
University of SC Upstate	UPS Academic Affairs Admin				
		<i>Waldrop, Susannah</i>	<i>POWER UP</i>	US Department of Education (USDE)	2,250,000