University of South Carolina — February 2024 New Grant Awards Report					
Pl's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	Applied Research & Evaluation (CARE)	Workman, Lauren	SC MIECHV FY23 Coordinated State Evaluation (2023-2025)	Children's Trust of South Carolina/HRSA	150,896
	Communication Sci & Disorders	Bonilha, Heather	Excess Radiation Exposure in Infants and Children From Videofluoroscopic Swallow Studies	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH	385,871
		Fridriksson, Julius	Neural Bases of Vocal Sensorimotor Impairment in Aphasia-Subaward	University of Texas at Dallas/NIH	434,916
	Environmental Health Sciences				
		Jilling, Andrea	Collaborative Research: Mineral-associated organic matter: an overlooked source and mediator of bioavailable nitrogen	National Science Foundation (NSF)	374,500
	5 11 11 0 5 1 5 5				
	Epidemiology & Biostatistics	Perumal, Nandita	Demonstrating non-inferiority of a lower dose (500 mg) calcium supplementation during pregnancy for reducing preeclampsia (PE) and neonatal outcomes	Harvard University/Bill & Melinda Gates Foundation	13,219
	Exercise Science				
		Arent, Shawn	High-Intensity Functional Training Adaptations with and without Maximus Ventilatory Training Device	Neo-Ventures LLC, DBA MAXIMUS	11,011
	Health Prom., Educ. & Behavior				
		Ghattas, Hala	Using complex systems methods to co-produce solutions for how emergency food assistance can prioritise healthy foods for vulnerable populations in Lebanon/Gates	London School of Hygiene and Tropical Medicine/Gates Foundation	13,092

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			Using complex systems methods to co-produce solutions for how emergency food assistance can prioritise healthy foods for vulnerable populations in Lebanon/FCDO	London School of Hygiene & Tropical Medicine/Foreign, Commonwealth and Development Office (FCDO)	13,092
			Advancing Tobacco Regulatory Science to Reduce		
			Health Disparities: Advancing Communication Science to Reduce Disparities in Young		
		Thrasher, James	Adult Cigar Use	UNC Chapel Hill/NIDA/NIH	191,413
	Health Services Policy & Mgmt				
		Andrews, Christina	South Carolina Center for Excellence in Addiction – General Assembly	SC Department of Alcohol and Other Drug Abuse Services (DAODAS)/General Assembly	114,942
	PASOS				
			Greenwood Genetics Partnership for Folic Acid Promotion with Latino		
		Martin, Maria	Communities 2024	Greenwood Genetic Center	26,000
College of Arts and Sciences					
	Archaeology & Anthropology				
			US Forest Service Supplemental Project Agreement: Archaeological		
		King, Adam	Survey and Collections Curation ServicesXX	Forest Service, Francis Marion and Sumter National Forests - USDA	104,405
	Chamistry & Bischamistry	King, Adam			104,405
	Chemistry & Biochemistry		Evaluating the Atmospheric Dynamics of Nitrate and Sulfate in Southern New England in Response to	National Forests - USDA	
	Chemistry & Biochemistry	King, Adam Walters, Wendell	Evaluating the Atmospheric Dynamics of Nitrate and Sulfate in Southern New		6,722
	Chemistry & Biochemistry Criminology & Criminal Justice		Evaluating the Atmospheric Dynamics of Nitrate and Sulfate in Southern New England in Response to Emission Regulations	National Forests - USDA	
			Evaluating the Atmospheric Dynamics of Nitrate and Sulfate in Southern New England in Response to	National Forests - USDA	
		Walters, Wendell	Evaluating the Atmospheric Dynamics of Nitrate and Sulfate in Southern New England in Response to Emission Regulations	National Forests - USDA National Science Foundation (NSF)	6,722
	Criminology & Criminal Justice	Walters, Wendell	Evaluating the Atmospheric Dynamics of Nitrate and Sulfate in Southern New England in Response to Emission Regulations	National Forests - USDA National Science Foundation (NSF)	6,722
	Criminology & Criminal Justice	Walters, Wendell Adams, Ian	Curation ServicesXX Evaluating the Atmospheric Dynamics of Nitrate and Sulfate in Southern New England in Response to Emission Regulations Institutional Structure of Police Leadership. Geographic and Sociodemographic Variability	National Forests - USDA National Science Foundation (NSF) University of Utah/National Institute of Justice	6,722 108,516

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			Al-enabled Mechanical		
		Wang, Qi	Modeling of Cardiac Tissues	Clemson University/SC EPSCoR/SC CHE	25,000
		Wally, Qi	Wodeling of Cardiac rissues	Olemson oniversity/30 Er 3001030 Chie	23,000
	Political Science				
	Folitical Science		Collaborative Research:		
			Precedent-Altering Opinions		
			and Collegiality on the		
		Schoenherr, Jessica	Supreme Court	National Science Foundation (NSF)	74,803
		Concention, decoids	Cuprome Court		,000
	Psychology				
	regeneracy		(PI - Rachel Hantman)		
			Maternal - Child RSA		
			Synchrony in Infants with	National Institute of Child Health & Human	
		Roberts, Jane	Fragile X Syndrome	Development (NICHD)/NIH	123,882
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			Technical Assistance Center		
			on Positive Behavioral		
		Weist, Mark		University of Oregon/USDE	257,274
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	School of Earth, Ocean & Env.				
			Collaborative Research: Multi-		
			isotope and microbial ecology		
			approaches to investigate		
			sedimentary nitrous oxide		
			production and consumption in		
			the northern Benguela		
		Bourbonnais, Annie	upwelling system	National Science Foundation (NSF)	550,590
		Í			
	Sociology				
	0,		Simulating and predicting		
			social behavior from exposure		
			and interaction with similar		
			others: A data collection		
			initiative and model		
		Brashears, Matthew	advancement project	US Army Research Office (ARO)/DOD	190,146
College of Education					
	Educational & Developmental Science				
	·		Project TEC: Technology to		
		Plotner, Tony	Enhance Careers	SC Commission of Higher Education	175,931
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	Research, Eval., & Measurement				
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			Evaluation of Florence County		
			School District Three's		
			Panther Reset School of		
		Ene, Mihaela	Innovation Program	Florence County School District Three/SCDE	20,000
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			Evaluation of Florence County		
			School District Two's		
			Innovation Grant Program:		
			The Pee Dee Health		
			Healthcare Workforce Ready		
		Leighton, Elizabeth	Program	Florence County School District Two/SCDE	30,000
			Impact Evaluation of ArtsNOW		
		Lewis, Ashlee	(23-24)	ArtsNOW (ArtsNOW Learning)	40,000
	Teacher Education				
		Baum, Angela	PDG Planning Grant 2023	SC Department of Social Services (SCDSS)	692,789
College of Engineering & Comp.					
	Chemical Engineering				
			Material Leaching for Nuvera		
			Fuel Cells, LLC - 5 Samples -		
		Meekins, Benjamin	February 2024	Nuvera Fuel Cells, LLC	4,250
			Improved Zinc Utilization		
			(Battery Longevity) via		
			Homogenous Anode		
		Mustain, William	Discharge	Duracell	115,000
		-	_		
	Computer Science & Engineering				
			Information Competition		
		Huhns, Michael	Simulator Project	University of Maryland/ARLIS/DOD	10,000
		*	Information Competition		
			Simulator Project - Project 1	University of Maryland/ARLIS/DOD	49,957
	Electrical Engineering				
			Machine Learning Assisted		
			CdZnTeSe Semiconductor		
			Nuclear Detectors for Real-		
			Time Monitoring Spent		
		Mandal, Krishna		CORE SC at College of Charleston	50,000
				<u> </u>	
College of Social Work					
	Social Work - Dean's Office				
	-		What difference does it make?		
			Learning from the		
			stakeholders of the Weekend		
			Food Program about their		
			experiences of program		
		Fram, Maryah	participation	Every Meal	29,920
	 	, maryan	I	<u> </u>	-,-
			Children with Disabilities:		
			Increasing Kinship Caregivers'		
			Capacity and Improving Child		
		Xu, Yanfeng	Outcomes	University of North Carolina/The Duke Endowment	1 143 507
		Au, raillelly	Gatoonies	Chivelenty of North Carolina/ The Duke Endowment	1,170,001

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Moore Sch - Div. of Research				in Foster Care	Washington State University/USDE	21,996
Moore Sch - Div. of Research Midlands Business Leadership Group: 2023-2024 Competitiveness Report SCRA: Economic Impact Analysis - FY23 South Carolina Research Authority (SCRA) 10,000 Patriots Point: Economic Impact Analysis - FY33 Chernoff Newman: Century Aluminum Economic Impact Analysis Chernoff Newman 38,500 EDF Renewables: Economic Impact Analysis Chernoff Newman 38,500 EDF Renewables: Economic Impact Analysis Chernoff Newman 34,500 EDF Renewables: Economic Impact Analysis Chernoff N	Davida Marina Oak and of Davida an					
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Von Nessen, Joseph Competitiveness Report Midlands Business Leadership Group 25,000						
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Patriots Point: Economic Impact Analysis Patriots Point 52,500					South Carolina Bassarah Authority (SCBA)	10,000
Impact Analysis Patriots Point 52,500					South Carolina Research Authority (SCRA)	10,000
Chernoff Newman: Century Aluminum Economic Impact Analysis EDF Renewables: Economic Impact Analysis EDF Renewables EDF Renewables EDF Renewables EDF Renewables EDF Renewables SC Arts Commission FY24 Operating Support South Carolina Arts Commission 29,889 Office of the Provost Anne Frank and the Art of Storytelling Leadership Camp (AFASLC) SC Humanities/NEH 5,000 School of Law					Detriete Deint	52 500
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Koger Center SC Arts Commission FY24				Impact Analysis	EDF Renewables	34,500
Koger Center SC Arts Commission FY24						
Magradey, Karen SC Arts Commission FY24 Operating Support South Carolina Arts Commission 29,889 Office of the Provost Provost Anne Frank and the Art of Storytelling Leadership Camp (AFASLC) School of Law SC Arts Commission PY24 Operating Support South Carolina Arts Commission 29,889 South Carolina Arts Commission 29,889 South Carolina Arts Commission 29,889	Koger Center					
Magradey, Karen Operating Support South Carolina Arts Commission 29,889 Office of the Provost Provost Anne Frank and the Art of Storytelling Leadership Camp (AFASLC) School of Law School of Law		Koger Center				
Office of the Provost Provost Anne Frank and the Art of Storytelling Leadership Camp (AFASLC) School of Law School of Law						
Provost Anne Frank and the Art of Storytelling Leadership Camp (AFASLC) School of Law School of Law			Magradey, Karen	Operating Support	South Carolina Arts Commission	29,889
Provost Anne Frank and the Art of Storytelling Leadership Camp (AFASLC) School of Law School of Law						
Anne Frank and the Art of Storytelling Leadership Camp (AFASLC) School of Law Anne Frank and the Art of Storytelling Leadership Camp (AFASLC) SC Humanities/NEH 5,000	Office of the Provost					
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Gibson, Robert (AFASLC) SC Humanities/NEH 5,000 School of Law						
School of Law						
			Gibson, Robert	(AFASLC)	SC Humanities/NEH	5,000
Law - Dean's Office	School of Law					
		Law - Dean's Office				
Building Capacity to Counter						1.0.000
Samuels, Joel Complex Crimes in Mongolia The Asia Foundation (TAF)/DOS 42,600			Samuels, Joel	Complex Crimes in Mongolia	The Asia Foundation (TAF)/DOS	42,600
South Carolina Deaths Behind Arnold Ventures LLC (Laura and John Arnold						
Wasilczuk, Madalyn Bars - Arnold Ventures Foundation) 99,575			Wasilczuk, Madalyn	Bars - Arnold Ventures	Foundation)	99,575
School of Medicine	School of Medicine					
MDC Ctr Disability Resources		MDC Ctr Disability Resources				
South Carolina Assistive						
Rotholz, David Technology Program Administration for Community Living/HHS 205,318			Rotholz, David	Technology Program	Administration for Community Living/HHS	205,318
MDC Office of Dean		MDC Office of Dean				
SC Research Foundation (SCRF)/Richland						
Rahemtullah, Omme-Salma CDBG Grant: NeighborShare County 71,540		İ	IRahemtullah Omme-Salma	ICDBG Grant: NeighborShare	County	1/1,540

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			Culinary Medicine: Improving		
			Health Outcomes through		
			Clinical Partnerships and		
			Referrals	SC Research Foundation (SCRF)/Prisma Health	50,000
University of SC Aiken					
	AK Mathematical Sciences				
			Exploring Thermophysical		
			Properties of Ionic Liquids		
			(ILs) based Nanofluids using		
			Machine Learning Techniques		
		Paul, Titan	for Solar Thermal Applications	CORE SC at College of Charleston	49,958
		,			
	AK School of Business				
			Savannah River National		
			Laboratory: Economic Impact		
			on		
			Aiken, Allendale, Barnwell,		
			Columbia, and Richmond		
		Fawaz, Fadi	Counties	Savannah River National Laboratory (SRNL)/DOE	02.658
		rawaz, raui	Counties	Savarillari Niver National Eaboratory (SiNNE)/DOE	92,038
University of SC Upstate					
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			The Effects of High Intensity		
			Endless Rope Compared to		
			Battle Rope Training on		
			Reaction Time and Physical		
		Saracino, Patrick	Performance	Axios, LLC	18,662