

University of South Carolina - April 2022 New Grant Awards Report

PI's College	PI's Department	PI Name	Award Title	Sponsoring Agency	Award Total
Arnold School of Public Health					
	<i>Applied Research & Evaluation (CARE)</i>				
		<i>Moncrieff, Ashley</i>			
			<i>Evaluation of South Carolina Pediatric Mental Health Care Access - New Area Expansion Program</i>	South Carolina Department of Mental Health (SCDMH)/HRSA	\$ 287,625.00
	<i>Communication Sci & Disorders</i>				
		<i>Neils-Strunjas, Jean</i>			
			<i>Bingocize®: An evidence-based health promotion program to improve the quality of life of Tennessee certified nursing facility residents (EXPANSION)</i>	Western Kentucky University/State of Tennessee, Department of Health	\$ 6,000.00
	<i>Epidemiology & Biostatistics</i>				
		<i>Liese, Angela</i>			
			<i>Using CGM technology to assess acute impact of food insufficiency and food insecurity on glycemic control in persons with youth-onset type 1 and type 2 diabetes</i>	Prisma Health - Upstate	\$ 19,975.00
		<i>Nolan, Melissa</i>			
			<i>Chagas disease seroprevalence among Latinx residents in South Carolina</i>	Prisma Health - Upstate	\$ 20,000.00
	<i>Exercise Science</i>				
		<i>Pope, Brittany</i>			
			<i>A role for neuroinflammation in stress-induced comorbid cardiovascular disease and behavioral dysfunction in female rats</i>	American Heart Association (AHA)	\$ 32,036.00
		<i>Reesor-Oyer, Layton</i>			
			<i>Spillover Benefits: The Impact of Summer Programming on Parental Rules and Routines Associated with Children's Obesogenic Behaviors</i>	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH	\$ 145,934.00
	<i>Health Prom., Educ. & Behavior</i>				
		<i>Draper, Carrie</i>			
			<i>Share Our Strength's No Kid Hungry Campaign</i>	No Kid Hungry by Share Our Strength	\$ 50,000.00
		<i>Rudisill, Anne</i>			
			<i>Using Data to Drive Implementation – Stakeholder Perspectives on Screening and Addressing Social Determinants of Health at Prisma Health</i>	Prisma Health	\$ 19,997.00
		<i>Turner-McGrievy, Gabrielle</i>			
			<i>Expanding the reach of the NUTRITIOUS Eating with Soul (NEW Soul) program: A type 2 hybrid effectiveness-implementation trial</i>	National Heart, Lung, and Blood Institute (NHLBI)/NIH	\$ 3,608,071.00
	<i>Health Services Policy & Mgmt</i>				
		<i>Liang, Chen</i>			
			<i>Identifying predictive factors of HIV care discontinuation using clinical Natural Language Processing</i>	Prisma Health - Upstate	\$ 19,940.00
		<i>Ostermann, Jan</i>			
			<i>Prisma Health Translational Research Seed Grant: Identifying preference-relevant features of telehealth supported HIV care in South Carolina</i>	Prisma Health - Upstate	\$ 19,976.00
	<i>PASOS</i>				
		<i>Martin, Maria</i>			
			<i>Greenwood Genetics Partnership for Folic Acid Promotion with Latino Communities</i>	Greenwood Genetics Center	\$ 26,000.00
College of Arts and Sciences					
	<i>Archaeology & Anthropology</i>				
		<i>DePratter, Chester</i>			
			<i>Identification and Labeling of Charlesfort/Santa Elena Slides and Photos</i>	U. S. Marine Corps/DOD	\$ 9,889.00
	<i>Biological Sciences</i>				
		<i>Speiser, Daniel</i>			
			<i>Efficient visual processing by molluscs with distributed sensor arrays and less-centralized nervous systems</i>	Air Force Research Laboratory (AFRL)	\$ 33,241.00
	<i>Chemistry & Biochemistry</i>				
		<i>Peryshkov, Dmitry</i>			
			<i>Redox-Active Carborane Clusters for Metal-Free Bond Activation</i>	National Science Foundation (NSF)	\$ 456,907.00

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	Philosophy				
		Tollefsen, Christopher			
			Academic Freedom on Campus Lecture Series	Institute for Humane Studies at George Mason University	\$ 7,000.00
	Psychology				
		McLaurin, Kristen			
			Neurocognitive Impairments Resulting from Adolescent Prescription Opioid Use Disorder: Longitudinal Impact, Neural Mechanisms, and Comorbidities	National Institute on Drug Abuse (NIDA)/NIH	\$ 262,289.00
	School of Earth, Ocean & Env.				
		Bulusu, Subrahmanyam			
			Advancing Gulf of Mexico Operational Forecasting with Application to Fisheries, Industry Safety, and Natural Hazards (GOFFISH)	Florida State University/NAS	\$ 400,000.00
		Hardy, Dean			
			An Assessment of the Ditches and Water Levels in Hog Hammock on Sapelo Island.	Sapelo Island National Estuarine Research Reserve, obo/ the State of Georgia	\$ 17,959.00
College of Education					
	Instruction & Teacher Educ.				
		Morgan, Becky			
			Co-Curricular Award 2021	Interfaith Youth Core	\$ 1,000.00
	SC Educational Policy Center				
		Monrad, Diane			
			Evaluation of Florence County School District Three's D.R.E.A.M. (Developing Reachable Educational Achievement Milestones) to Achieve Innovation Fund Grant	Florence County School District 3/SCDE	\$ 20,000.00
College of Engineering & Comp.					
	Chemical Engineering				
		Shimpalee, Sirivatch			
			Development of Porous Transport Layer in Proton Exchange Membrane Water Electrolyzer using Numerical Simulation	BASF/German Federal Ministry of Economics and Energy	\$ 118,000.00
		White, Ralph			
			Modeling and Coin Cell Development of Structural Batteries for Aerospace Applications	College of Charleston/SC Space Grant/NASA	\$ 23,000.00
	Civil & Environmental Eng.				
		Chen, YuChe			
			Healthcare Travel burdens Survey in South Carolina	SC Center for Rural and Primary Healthcare, UofSC School of Medicine Educational Trust/SC DHHS	\$ 76,887.00
	Electrical Engineering				
		Mandal, Krishna			
			High-resolution real-time brain imaging system using novel CdZnTeSe semiconductor detector arrays trained with convolutional neural network	Prisma Health - Upstate	\$ 20,000.00
	Mechanical Engineering				
		Harik, Ramy			
			AFWERX/AFRL Phase II Contract for AFRL Space Vehicles Directorate	Atomic-6 LLC/AFRL/DOD	\$ 231,973.00
		Hu, Ming			
			Inverse Design of Low-cost and Light-weight Structures for Extreme Temperature Environments	College of Charleston/SC Space Grant Consortium/NASA	\$ 19,859.00
		Yuan, Lang			
			In-situ Real-time Defect Detection in Metal-based Additive Manufacturing	College of Charleston/SC Space Grant Consortium/NASA	\$ 20,000.00
			3D Printing of Tungsten via Laser Powder Bed Fusion Additive Manufacturing	College of Charleston/SC Space Grant Consortium/NASA	\$ 14,497.00
College of Information & Comm.					
	School of Information Sciences				
		Shelek, Christine			
			The Rainbow Connection: An Annotated Bibliography of LGBT QIA+ Books and Resources for Children.	American Library Association (ALA)	\$ 3,850.00
Darla Moore School of Business					

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	Moore Sch - Div. of Research				
		Von Nessen, Joseph			
			South Carolina Department of Agriculture: Economic Impact Analysis	South Carolina Department of Agriculture/USDA	\$ 50,000.00
			South Carolina Forestry Commission: Economic Impact Analysis	SC Forestry Commission	\$ 25,000.00
School of Law					
	Law - Dean's Office				
		Robinson, Pamela			
			SC Bar Foundation Public Interest Fellows 2022	SC Bar Foundation	\$ 10,000.00
School of Medicine					
	Basic Science Research				
		Webb, Robert (Clinton)			
			LRRc8 anion channels, superoxide and RhoA in diabetic erectile dysfunction	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH	\$ 2,726,711.00
	Internal Medicine				
		Al-hasan, Majdi			
			Perinatal HIV Prevention: Comprehensive Risk Counseling and Services, and HIV PrEP Uptake, and DIS Training	SC Department of Health and Environmental Control (DHEC)/CDC	\$ 1,727,180.00
	Path, Microbio. & Immunology				
		Kubinak, Jason			
			BD FACSymphony A3 Cell Analyzer	Office of the Director, National Institutes of Health (NIH)	\$ 513,281.00
	Pharm., Physiology & Neuroscience				
		Frizzell, Norma			
			Investigating Citric Acid Cycle Perturbations in Complex-I Deficient Mitochondrial Encephalopathy	National Institute of Neurological Disorders and Stroke (NINDS)/NIH	\$ 1,490,000.00
School of Medicine (GrvI)					
	Medicine Greenville				
		Blenda, Anna			
			Analysis and Integration of Patient Galectin Profiles into the Clinical Cancer Database	Prisma Health - Upstate	\$ 20,000.00
		Fowler, Lauren			
			Finger-to-Nose (FTN) Test to Improve Emergency Medical Services (EMS) Pre-Hospital Recognition of	Prisma Health - Upstate	\$ 3,000.00
			Longitudinal Assessment of the relationship between sleep, fatigue, pain, cognition and quality of life in breast cancer survivors (BCS).	Prisma Health - Upstate	\$ 20,000.00
		Grier, Jennifer			
			Emergency Medical Services (EMS) Cleaning Protocols: Efficacy of Decontamination Methods Against Bacterial Pathogens	Prisma Health - Upstate	\$ 20,000.00
		Trilk, Jennifer			
			Uncovering fatigue mechanisms with cancer treatment: mitochondrial capacity and correlated molecular changes in breast cancer patients undergoing comparative chemotherapy regimens	Prisma Health - Upstate	\$ 20,000.00
University 101					
	U101 and National Resource Ctr.				
		Hartman, Catherine			
			Understanding Transfer Supports and Initiatives for Community College Students Enrolled in Developmental Education	Education Commission of the States	\$ 7,500.00
		Keup, Jennifer			
			An Examination of High-Impact Practice Characteristics in First-Year Seminar Syllabi for Developmental Education Students	Educational Commission of the States	\$ 7,500.00
University of SC Aiken					
	AK Research Support				
		Pirkle, William			
			Management, Recruitment, and Operation of the Savannah River Environmental Sciences Field Station, 2022.	Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE	\$ 585,449.00