

**University of South Carolina - May 2022 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>					
	Exercise Science	Arent, Shawn	Randomized, Placebo Controlled, Crossover Study to Evaluate the Effects of a Novel Hydration Beverage Formula on Rehydration in Healthy Adults	Nutrasource Pharmaceutical and Nutraceutical Services, Inc.	\$ 127,200.00
			Acute Nerve Stimulation for Enhancing Human and Cognitive Performance	The Board of Medicine	\$ 214,261.00
		Moore, Robert	A Wearable Wrist-Worn Nerve Stimulator for Remediating Persistent Symptoms in Adolescents with PCS and Chronic Headache	The Board of Medicine	\$ 73,685.00
<b>Health Services Policy &amp; Mgmt</b>					
		Chen, Brian	Hybrid Type 1 Effectiveness-Implementation Trial of a Proactive Smoking Cessation Electronic Visit for Scalable Delivery via Primary Care	Medical University of South Carolina (MUSC)/NIH	\$ 86,495.00
<b>PASOS</b>					
		Martin, Maria	SC AgWHP Enabling CHW Services Tobacco Use Among Hispanic/Latinos in SC	SC Primary Health Care Association/SC Agricultural Worker Health Program/HHS SC Department of Health and Environmental Control(DHEC)/CDC	\$ 58,080.00 \$ 644,533.00
<b>College of Arts and Sciences</b>					
<b>Chemistry &amp; Biochemistry</b>					
		Li, Jie	American Society of Pharmacognosy Starter Grant	American Society of Pharmacognosy	\$ 5,000.00
		Shimizu, Linda	Functional nanotubes from self-assembling bis-urea macrocycles	National Science Foundation (NSF)	\$ 470,150.00
		Tang, Chuanbing	Collaborative Research: Mechanochemistry of Metalloenes	National Science Foundation (NSF)	\$ 395,000.00
		Wang, Hui	Ligand Dynamics and Chemistry on Locally Curved Metallic Nanoparticle Surfaces	National Science Foundation (NSF)	\$ 487,098.00
<b>Geography</b>					
		Dow, Kirstin	Addressing geographical and social diversity in heat-health messaging	National Oceanic & Atmospheric Administration (NOAA)/DOC	\$ 450,000.00
		Li, Zhenlong	Creating a GIS-Based Siting Tool for Mariculture Site Selection	SC Sea Grant Consortium/NOAA	\$ 34,993.00
<b>Physics &amp; Astronomy</b>					
		Kulkarni, Varsha	Unraveling the Structure and Star Formation History of Polar Ring Galaxies	College of Charleston/SC Space Grant Consortium/NASA	\$ 16,000.00
<b>Psychology</b>					
		Kornbluh, Mariah	Truth: Empowering flourishing through epistemic vigilance QUB/University of South Carolina - Sub-contract agreement (C09483)	Queen's University of Belfast/World Templeton Charity Foundation	\$ 6,533.00
<b>Theatre and Dance</b>					
		Whitehead, Dustin	South Carolina Film Training Partnership	SC Film Commission - SC Department of Parks Recreation and Tourism	\$ 100,000.00
<b>College of Education</b>					
<b>Educational Studies</b>					
		Yell, Mitchell	Academic Alliance of South Carolina (AASC)	SC Office of Special Education Services (OSSES)/SC Department of Education (SCDE)/USDE	\$ 4,264,137.00
<b>Instruction &amp; Teacher Educ.</b>					
		Yow, Jan	University of South Carolina Science and Mathematics Teachers Initiative Phase 3 (USC-SMTI): Continuing to Improve Teacher Preparation & Retention	National Science Foundation (NSF)	\$ 1,187,578.00
<b>College of Engineering &amp; Comp.</b>					
<b>Chemical Engineering</b>					
		Meekins, Benjamin	Novel dense-PBI membranes for photoelectrochemical hydrogen	Greenway Energy, LLC/DOE	\$ 30,000.00
<b>Electrical Engineering</b>					
		Mandal, Krishna	Development of an Advanced Compact Nuclear Detector with Ultra-High Energy Resolution Radiation Hard and Machine Learning Reinforced 4H-SiC Radiation Detectors for Space Applications	Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE College of Charleston/SC Space Grant Consortium/NASA EPSCoR	\$ 79,998.00 \$ 35,000.00
<b>Mechanical Engineering</b>					
		Farouk, Tanvir	Unravelling the Coupled Physics of Piezoelectric and Plasma Behavior in Piezoelectric Stimulated Plasma Sources	National Science Foundation (NSF)	\$ 406,006.00
<b>College of Information &amp; Comm.</b>					
<b>Journalism &amp; Mass Comm.</b>					
		Wu, Linwan	Burrell Research Proposal	Burrell	\$ 31,831.00

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<b>College of Nursing</b>					
	Nursing				
		Corbett, Cynthia	Integrating Virtual Home Assistant Use into Prisma Health SeniorCare PACE Participants' Care Plans	Prisma Health - Upstate	\$ 19,942.00
<b>College of Pharmacy</b>					
	Pharm - Clin Pharm & Outcomes Sciences				
		Fabel, Patricia	Development of a digital health training program	National Association of Chain Drug Stores Foundation (NACDS)	\$ 20,000.00
		Hastings, Tessa	Improving Immunization Information System Implementation in Community Pharmacies	National Institute of Allergy and Infectious Diseases (NIAID)/NIH	\$ 421,233.00
<b>Darla Moore School of Business</b>					
	Moore Sch - Dean's Office				
		Roth, Kendall	Centers for International Business Education (CIBE) Program, Assistance Listing Number 84.220A; Office of Postsecondary Education (OPE); International Foreign Language Education (IFLE)	US Department of Education (USDE)	\$ 1,442,286.00
	Moore Sch - Div. of Research	Von Nessen, Joseph	Greenville Peace Center: Economic Impact Analysis	Peace Center - Greenville	\$ 54,500.00
	Small Business Dev. Ctr.	Abraham, Michele	SC Small Business Development Centers Program Announcement - SBA 2022 Funding Opportunity	US Small Business Administration (SBA)	\$ 1,965,904.00
<b>Office of the Provost</b>					
	Provost				
		Swartz Hilton, M.A., Katherine	Intra-UofSC Campus Alliance to Advance Entrepreneurism - SC Commerce 2022 Relentless Challenge Grant Program (Award Notification Received)	Office of Innovation - SC Department of Commerce	\$ 65,000.00
<b>School of Law</b>					
	Children's Law Center				
		Morris, Carolyn	DJJ Contract for Curriculum	SC Department of Juvenile Justice/DOJ	\$ 12,000.00
<b>School of Medicine</b>					
	Basic Science Research				
		Spinale, Francis	IPA-Modification-Lisa Freeburg (modification for recent salary increase-requesting required overage amount only)	US Department of Veterans Affairs (VA)	\$ 76,300.00
	Cell Biology & Anatomy				
		Azhar, Mohamad	Preclinical assessment of a compliance matched biopolymer vascular graft	University of Pittsburgh/NIH	\$ 94,489.00
	Family & Preventive Medicine				
		Rotholz, David	South Carolina Expanding the Public Health Workforce within the Disability Network Program	Administration for Community Living/HHS	\$ 113,670.00
	Neurology				
		Sen, Souvik	Strokenet COEE Supplement	MUSC/SC SmartState Centers of Excellence	\$ 5,000.00
	Pediatrics				
		Rotholz, David	IMPACT SC Self-Advocacy Initiatives	SC Development Disabilities Council/HHS	\$ 41,447.00
	Pharm., Physiology & Neuroscience				
		Reagan, Lawrence	IPA for Dr. Jim Fadel	WJB Dom VA Medical Center/VA	\$ 40,008.00
			IPA for Kevin Ayala	WJB Dom VA Medical Center/VA	\$ 86,400.00
		Ryan, Michael	IPA: Noelle Frambes (Ryan) - Renal Mechanisms of Hypertension in Autoimmunity	WJB Dom VA Medical Center/VA	\$ 77,320.00
<b>University Libraries</b>					
	Univ Libraries - Dean's Office				
		Pappas, Lydia	MIRC Regional Film Roadshow	South Carolina Humanities/NEH	\$ 9,931.00
<b>University of SC Aiken</b>					
	AK Childrens Center				
		Williams, Lynnette	Building Blocks Grant	SC Department of Social Services (DSS)/HHS	\$ 57,263.00
<b>University of SC Beaufort</b>					
	BFT Math & Comp. Science				
		Sevim, Volkan	USCB Summer Math Camp 2022: Math Opportunities in the Summer (MOS)	PowerED Foundation	\$ 13,552.00
<b>University of SC Lancaster</b>					
	Lancaster				

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		<i>Ammons, Robert</i>	<i>Upward Bound</i>	US Department of Education (USDE)	\$ 297,529.00
		<i>Criswell, Stephen</i>	<i>South Carolina Lowcountry Native American Oral History Project Funded by the Gaylord and Dorothy Donnelley Foundation</i>	UofSC Educational Foundation/Gaylord and Dorothy Donnelley Foundation	\$ 25,000.00
<i>University of SC Sumter</i>					
	<i>Sumter</i>	<i>Rosdail, Lisa</i>	<i>University of South Carolina Upward Bound Sumter Campus</i>	US Department of Education (USDE)	\$ 1,488,005.00
<i>University of SC Upstate</i>					
	<i>UPS Achieve</i>	<i>Oswald-Hensley, Anna</i>	<i>ACHIEVE Resiliency Funding</i>	Upstate Workforce Investment Act/DOL	\$ 27,900.00