

## University of South Carolina - July 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>					
	<i>Center for Community Health Alignment</i>				
		Smithwick, Julie			
			Community Health Worker Institute Phase Two Proposal BCBSFSC	SC Research Foundation (SCRF)/BCBS Foundation of SC	\$ 600,000
	<i>Communication Sci &amp; Disorders</i>				
		Klusek, Jessica			
			Aging Symptom Trajectories in Mother Carriers of the FMR1 Premutation	National Institutes of Health (NIH)	\$ 2,900,521
	<i>Environmental Health Sciences</i>				
		Cai, Guoshuai			
			The evolution of copy number variations in the AT-rich Plasmodium genome - Subcontract w/ University of Florida	University of Florida/NIH	\$ 91,847
	<i>Epidemiology &amp; Biostatistics</i>				
		Clay-Gilmour, Alyssa			
			Impact of Genetic susceptibility along the continuum from Monoclonal Gammopathy of Undetermined Significance (MGUS) to Multiple Myeloma (MM) (Subcontract to Mayo Clinic)	Mayo Clinic/NIH	\$ 148,804
	<i>Health Prom., Educ. &amp; Behavior</i>				
		Thrasher, James			
			Understanding barriers and facilitators to implementation and enforcement of loose cigarettes and bidis sale ban in India using a qualitative approach	John Hopkins University	\$ 18,250
	<i>Health Services Policy &amp; Mgmt</i>				
		Liang, Chen			
			R21 resubmission: Curating a Knowledge Base for Individuals with Coinfection of HIV and SARS-CoV-2: EHR-based Data Mining	National Institute of Allergy & Infections Diseases (NIAID)/NIH	\$ 408,619
<b>College of Arts and Sciences</b>					
	<i>Anthropology</i>				
		Simmons, Kimberly			
			Ethnographic Overview and Assessment of Charles Pinckney National Historic Site and Fort Sumter and Fort Moultrie National Historical Park	National Park Service/DOI	\$ 139,250
	<i>Baruch Institute</i>				
		Morris, James			
			Model Evaluation of Poplar Island Responses to Rising Sea Level	Maryland Environmental Service	\$ 59,689
			"Collaborative Research: Not all nitrogen is created equal: Quantifying the effects of different nitrogen forms on marsh persistence."	National Science Foundation (NSF)	\$ 234,022
		Smith, Erik			
			North Inlet - Winyah Bay National Estuarine Research Reserve FY22 Operations Award	National Ocean Service (NOS)/NOAA/DOC	\$ 780,500
	<i>Biological Sciences</i>				
		Krizek, Beth			
			Transcriptional control of growth regulatory modules by AIL transcription factors	National Science Foundation (NSF)	\$ 549,151
	<i>Chemistry &amp; Biochemistry</i>				
		Wang, Qian			
			Synthesis of Starting Materials of Glycolipids and Gangliosides	Integrated Micro-Chromatography Systems, Inc.	\$ 16,320
	<i>Criminology &amp; Criminal Justice</i>				
		Metcalfe, Christi			
			The availability of indigent defense in North Carolina and its relationship with local jail populations and pretrial case decisions	North Carolina Office of Indigent Defense Services	\$ 9,973
	<i>Geography</i>				
		Ellis, Jean			
			Topographic analysis of dunes along a managed coast	Slocum - Lunz Foundation	\$ 1,200
		Hiscox, April			
			Collaborative Research: Understanding Interactions between Mesoscale and Microscale Flows in the Stable Boundary Layer over Shallow Terrain	National Science Foundation (NSF)	\$ 273,725
	<i>History</i>				
		Donaldson, Bobby			
			Cooperative Agreement between the Department of the Interior/National Park Service and the Center for Civil Rights History and Research: Programmatic Activities for the CRC	National Park Service/DOI	\$ 3,362,100
		Matthews, Marty			
			The Papers of William Short: A Digital Selective Documentary Edition	The National Historical Publications and Records Commission (NHPRC)	\$ 110,000
	<i>Psychology</i>				
		McQuillin, Samuel			
			Strengthening and Expanding School Mental Health by Integrating Community Mentors in School Problem Solving Teams	USC Educational Foundation/The Duke	\$ 580,000
		Roberts, Jane			
			Autonomic and Sensory Dysfunctions in FMR1 Conditions: Development, Mechanisms and Consequences	National Institute of Mental Health (NIMH)/NIH	\$ 3,215,991
<b>School of Earth, Ocean &amp; Env.</b>					

		<i>Dragovic, Besim</i>			
			<i>Collaborative Research: Rodingites as Recorders of Tectonic Processes from the Seafloor to Convergence: A case study of the Dun Mountain Ophiolite Belt</i>	National Science Foundation (NSF)	\$ 137,781
		<i>Meyer-Gutbrod, Erin</i>			
			<i>Assessing Population Effects of Offshore Wind Development on North Atlantic Right Whales</i>	University of St. Andrews/DOI	\$ 14,833
<b>College of Engineering &amp; Comp.</b>					
	<b>Chemical Engineering</b>				
		<i>Gower, Robert</i>			
			<i>CAREER: Biomaterial Implants to Control Adipose Tissue Function</i>	National Science Foundation (NSF)	\$ 500,000
	<b>Civil &amp; Environmental Eng.</b>				
		<i>Sasanakul, Inthuorn</i>			
			<i>Dynamic Properties of Mine Tailings: Aurora Settling Basin</i>	Golder Associates, Ltd	\$ 16,320
		<i>Ziehl, Paul</i>			
			<i>Bovine Collogen DSC Trials</i>	Devro, Inc	\$ 4,443
			<i>Thermoplastic Composite Welded Assembles</i>	Advance Technology International (ATI)/ONR/DOD	\$ 30,000
	<b>Mechanical Engineering</b>				
		<i>Bayoumi, Abdel</i>			
			<i>Development of Maintenance Strategies for FVL Platforms</i>	Wichita State University/US Army CCDC Aviation and Missile Center	\$ 170,682
		<i>Wang, Yi</i>			
			<i>Parametric Reduced Order Models-based Uncertainty Quantification in Aeroelasticity</i>	CFD Research Corporation/NASA	\$ 250,009
			<i>A Deep Learning Framework for Real-Time Health and Security Monitoring and Diagnosis of Manufacturing Systems Based on Energy Consumption Auditing</i>	CFD Research Corporation/USAF	\$ 359,892
<b>College of Nursing</b>					
	<b>Nursing</b>				
		<i>Magwood, Gayenell</i>			
			<i>Improving the Collaborative Health of Minority COVID-19 Survivor &amp; Carepartner Dyads Through Interventions Targeting Social and Structural Health Inequities</i>	Department of Health and Human Services/NIH	\$ 2,569,489
<b>College of Social Work</b>					
	<b>Child and Family Studies, Center for</b>				
		<i>Soto-Ramirez, Nelis</i>			
			<i>2021 National CASA/GAL Annual Survey Data Analysis and Reporting Project</i>	National Court Appointed Special Advocates (CASA) & Guardian ad Litem (GAL)/DOJ	\$ 25,048
	<b>Social Work - Dean's Office</b>				
		<i>Reese, Lenora</i>			
			<i>Lipscomb Foundation Proposal - Recipient Organization Capacity Building Initiative</i>	USC Educational Foundation/The Lipscomb Family Foundation	\$ 36,490
<b>Darla Moore School of Business</b>					
	<b>Moore Sch - Div. of Research</b>				
		<i>Von Nessen, Joseph</i>			
			<i>Charles River Laboratories International: Economic Impact Analysis</i>	Charles River Laboratories International	\$ 25,000
			<i>Charleston County Economic Development</i>	Charleston County Economic Development Department	\$ 72,550
	<b>Small Business Dev. Ctr.</b>				
		<i>Featheringill, Paul</i>			
			<i>2022 Rural Microentrepreneur Assistance Program Grant</i>	Clemson University/USDA	\$ 44,650
<b>Hosp., Retail, &amp; Sport Mgmt</b>					
	<b>Hotel, Restaurant &amp; Tour Mgmt</b>				
		<i>Schroeder, Ashley</i>			
			<i>DMOcracy - A Global Study of Best Practices for Partnering with Local Residents &amp; Industry</i>	Miles Partnership	\$ 7,568
<b>Koger Center</b>					
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		<i>Magradey, Karen</i>			
			<i>"Behind the Scenes"-Arts Education Project</i>	SC Arts Commission	\$ 13,048
<b>School of Law</b>					
	<b>Law - Dean's Office</b>				
		<i>Samuels, Joel</i>			
			<i>Sri Lanka Efficient and Effective Justice (EEJ) subaward from Chemonics International Inc.</i>	Chemonics International Inc./USAID	\$ 188,482
<b>School of Medicine</b>					
	<b>Basic Science Research</b>				
		<i>Spinale, Francis</i>			
			<i>IPA - Stephanie Samani</i>	Columbia VA Healthcare System/VA	\$ 104,128
	<b>Genetics</b>				
		<i>Edwards, Janice</i>			
			<i>Telehealth Curriculum for Genetic Counselors: Increasing Accessibility to Quality Services through Best Practice Education</i>	SC Research Foundation (SCRF)/The Fullerton Foundation	\$ 65,900
	<b>MDC Ctr Disability Resources</b>				
		<i>Rotholz, David</i>			

			SC Developmental Disability Council Professional Services	SC Developmental Disability Council/ACL/HHS	\$ 25,052
			South Carolina Youth in Transition Training Program	SC Family Connections/HHS	\$ 35,000
			South Carolina University Center for Excellence in Developmental Disabilities	Administration on Community Living/HHS	\$ 2,888,675
			Training Programs and Technical Assistance for Staff	SC Department of Disabilities and Special Needs	\$ 316,700
			Provision and Training and Certification for Self-Directed Attendant Care for ID/DD and HASCI Waiver Participants	SC Department of Disabilities and Special Needs	\$ 200,000
<b>School of Medicine (Grv)</b>					
	Medicine Greenville				
		Trilk, Jennifer			
			Evaluating the Implementation and Cost of Integration of a Clinic-Community Physical Activity Model into a Major Health System	USC Educational Foundation/The Duke Endowment	\$ 400,000
<b>University of SC Beaufort</b>					
	BFT Hospitality Management				
		Olivetti, Keri			
			Vision for the Future: A Collaboration Between USC Beaufort and the Town of Hilton Head Island	SCRF/Town of Hilton Head Island	\$ 190,094
	BFT Math & Comp. Science				
		Sevim, Volkan			
			Mathematics Opportunities in the Summer (MOS): USCB Summer Math Camp for High School Students	Community Foundation of the Lowcountry	\$ 8,000
	BFT Natural Sciences				
		Pettay, Daniel			
			Establishing a Continuous Environmental Monitoring Station for the Chechessee River in the Port Royal Sound Estuary	Port Royal Sound Foundation	\$ 10,000
<b>University of SC Upstate</b>					
	UPS Achieve				
		Oswald-Hensley, Anna			
			ACHIEVE 2022-23	Upstate Workforce Investment Act/DOL	\$ 465,794