

University of South Carolina - December 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>Center for Community Health Alignment</i> | | | | |
| | | <i>Smithwick, Julie</i> | <i>Envision Healthy Communities</i> | Wisconsin Department of Health Services/CDC | \$ 631,263 |
| | <i>Epidemiology & Biostatistics</i> | | | | |
| | | <i>Nolan, Melissa</i> | <i>Employing a big data approach to elucidate climate change's impact on early childhood development in the United States</i> | Burroughs Wellcome | \$ 50,000 |
| | <i>Exercise Science</i> | | | | |
| | | <i>Fritz, Stacy</i> | <i>TRANScranial direct current stimulation for P0st-stroke motor Recovery - a phase II sTudy (TRANSPORT 2) - Sub-contract with Duke University</i> | Duke University/NINDS/NIH | \$ 52,201 |
| | | <i>Potter, Elizabeth</i> | <i>Barriers to utilization of SNAP fruit and vegetable incentive programs for families with food insecurity - Sub-contract with University of California, San Francisco</i> | University of California, San Francisco (UCSF)/NIH | \$ 12,419 |
| | <i>Health Prom., Educ. & Behavior</i> | | | | |
| | | <i>Draper, Carrie</i> | <i>Project 1: Statewide SNAP-Ed Evaluation</i> | SC Department of Social Services (SCDSS)/USDA | \$ 188,842 |
| | | | <i>Project 2: Library Nutrition Support Implementation</i> | SC Department of Social Services (SCDSS)/USDA | \$ 65,568 |
| | | | <i>Project 3: FoodShare SC</i> | SC Department of Social Services (SCDSS)/USDA | \$ 199,975 |
| | | | <i>Project 4: State Level Food Policy Council</i> | SC Department of Social Services (SCDSS)/USDA | \$ 199,849 |
| | | | <i>Project 5: Local Food Policy Councils</i> | SC Department of Social Services (SCDSS)/USDA | \$ 180,742 |
| | | | <i>Project 6: Strengthening and Expanding Transportation</i> | SC Department of Social Services (SCDSS)/USDA | \$ 190,972 |
| | | <i>Fronqillo, Edward</i> | | | |
| | | | <i>Using causal mediation models to examine multi-sectoral health and nutrition program impact paths and moderation by agricultural interventions and equity</i> | Helen Keller International/London School of Hygiene & Tropical Medicine | \$ 66,879 |
| | <i>Health Services Policy & Mgmt</i> | | | | |
| | | <i>Brooks, John</i> | <i>The Development and Evaluation of a Patient-Centered Opioid Discharge Prescribing Guideline within the Electronic Health Record of a Health System.</i> | Agency for Healthcare Research and Quality (AHRQ)/HHS | \$ 1,551,448 |
| | | <i>Hair, Nicole</i> | <i>Long-Term Effects of Measles Vaccine Mandates on Educational Attainment and Cognitive Function</i> | University of Southern California, Alzheimer's Disease Resource Centers for Minority Aging Research (ADRCMAR)/NIA/NIH | \$ 27,000 |
| | | <i>Osternann, Jan</i> | <i>Chanjo Kwa Wakati - Leveraging community health workers and a responsive digital health system to improve vaccination coverage and timeliness in resource-limited settings (MINT R01)</i> | National Institute of Child Health & Human Development (NICHD)/NIH | \$ 2,957,258 |
| | | <i>Wright, Brad</i> | <i>Observation Stays and Readmissions for Older Adults: Implications for Medicare Policies</i> | University of Washington/NIA/NIH | \$ 57,402 |
| | | <i>Yelverton, Valerie</i> | <i>Patient experiences and disparities in telehealth HIV care during the COVID-19 pandemic: A mixed methods study from the Southern US</i> | Agency for Healthcare Research and Quality (AHRQ)/HHS | \$ 41,983 |
| | <i>PASOS</i> | | | | |
| | | <i>Martin, Maria</i> | <i>MIECHV 2022-2023 Children's Trust PASOs</i> | Children's Trust of South Carolina/HRSA | \$ 100,000 |
| College of Arts and Sciences | | | | | |
| | <i>Baruch Institute</i> | | | | |
| | | <i>Morris, James</i> | <i>NOAA ESLR - Sub to University of Georgia</i> | University of Georgia/NOAA | \$ 39,102 |
| | | <i>Smith, Erik</i> | <i>Building Capacity at the North Inlet - Winyah Bay NERR for conservation and restoration infrastructure projects</i> | National Oceanic & Atmospheric Administration (NOAA)/DOC | \$ 188,675 |
| | <i>Biological Sciences</i> | | | | |
| | | <i>Armstrong, Alissa</i> | <i>Improving DEI via investigating the role of inter-organ communication in whole-organism responses to diet</i> | Silicon Valley Community Foundation (SVCF) - Chan Zuckerberg Initiative | \$ 1,150,000 |
| | <i>Chemistry & Biochemistry</i> | | | | |
| | | <i>Ge, Ting</i> | <i>CAREER: Molecular Modeling of Ring Polymer Mechanics - Expanding Applicability of Ring Polymer</i> | National Science Foundation (NSF) | \$ 516,622 |
| | <i>Physics & Astronomy</i> | | | | |
| | | <i>Petti, Roberto</i> | <i>CERN Project Continuation (Neutrino Platform)</i> | CERN Neutrino Group | \$ 40,000 |
| | <i>Psychology</i> | | | | |
| | | <i>Coffman, Donna</i> | <i>mHealth-based Just-In-Time Intervention to Improve Physical Activity Microrandomized Trial (Subaward from Temple)</i> | Temple University/NICHD/NIH | \$ 116,249 |
| | | | <i>Behavioral and Biological Rhythms in Children's Obesity-Related Health Disparities SEARCH: (subaward from Temple)</i> | Temple University/NIH | \$ 92,300 |
| | | | <i>Development of a Sensor-Based Movement Biomarker to Capture Upper Extremity Use</i> | Temple University/DoD | \$ 32,000 |
| | | <i>Smith, Courtnie</i> | | | |

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|---|--|-------------------------|--|--|--------------|
| | | | John H. Magill School Mental Health Certificate Program | SC Department of Mental Health (SCDMH) | \$ 9,650 |
| College of Education | | | | | |
| | Instruction & Teacher Educ. | Hodges, Thomas | | | |
| | | | South Carolina Center for Research on Teacher Education (SC-Teacher) 2022/2023 | SC Commission on Higher Education | \$ 112,500 |
| | | Muller, Meir | | Academic Engagement Network (AEN) | \$ 2,100 |
| | Research, Eval., & Measurement | | Kosher and Halal: An Area of Alliance Between Jews and Muslims | | |
| | | Lewis, Ashlee | | | |
| | | | Evaluation of Arts Grow SC 22-23 | SC Arts Commission/SCDE/USDE | \$ 176,000 |
| College of Engineering & Comp. | | | | | |
| | Civil & Environmental Eng. | Hoque, Shamia | | | |
| | | | Improving Outcomes in Prostate Cancer based on Comorbidities: Developing Personalized Medicine | Vandeventer Place Research Foundation (dba Veterans Research & Education Foundation)/AMRMC/DOD | \$ 149,894 |
| | | Rizos, Dimitris | | Michigan Technological University/Federal Railroad Administration/DOT | \$ 13,709 |
| | Electrical Engineering | | Expanding Summer Youth Programs in Rail through Virtual Learning and a National Campus Network | | |
| | | Nasiri, Adel | | | |
| | | | Resilient MVDC and MVAC/MVDC Distribution Systems | Center for Grid-connected Advanced Power Electronics Systems (GRAPES) - University of Arkansas | \$ 58,021 |
| College of Information & Comm. | | | | | |
| | School of Information Sciences | Thompson, Kim | | | |
| | | | The Practice Model for an Equitable Workplace Transition Program (EWTP): Disability and Neurodiversity | University of Denver/IMLS | \$ 73,104 |
| College of Pharmacy | | | | | |
| | Pharm - Clin Pharm & Outcomes Sciences | Justo, Julie Ann | | | |
| | | | Therapeutic Drug Monitoring-Guided Linezolid Dosing for the Management of Serious Gram-Positive Bacterial Infections Requiring an Extended Duration of Therapy | Society of Infectious Diseases Pharmacists (SIDP) | \$ 20,000 |
| Darla Moore School of Business | | | | | |
| | Moore Sch - Div. of Research | Von Nessen, Joseph | | | |
| | | | BMW: Economic Impact Analysis | BMW Manufacturing Company, LLC | \$ 52,000 |
| Division of Student Affairs | | | | | |
| | Substance Abuse and Prevention | Hourigan, Aimee | | | |
| | | | Great Plays at Carolina 2023 | International Town Gown Association (ITGA) | \$ 9,999 |
| School of Law | | | | | |
| | Children's Law Center | Black, Shelandra | | | |
| | | | Minority Youth Contact with Law Enforcement | Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ | \$ 67,129 |
| | Law - Dean's Office | Samuels, Joel | | | |
| | | | Gender Equality and Social Inclusion (GESI) Analysis for USAID Zambia Revenue for Growth (R4G) Project | Nathan Associates Inc. (prime contractor)/USAID | \$ 57,195 |
| School of Medicine | | | | | |
| | Cell Biology & Anatomy | Tan, Wenbin | | | |
| | | | Targeting of Photodynamic Therapy-Resistant Port-Wine Birthmarks | U.S. Army Medical Research Acquisition Activity (USAMRAA)/DOD | \$ 297,956 |
| | Pharm., Physiology & Neuroscience | Foster, Daniel | | | |
| | | | Pharmacological modulation of striatal physiology and repetitive behaviors by M4 PAMs | National Institute of Mental Health (NIMH)/NIH | \$ 1,139,830 |
| University of SC Aiken | | | | | |
| | AK Biology & Geology | Hancock, Charles Nathan | | | |
| | | | Characterization of seed protein quality in re-balanced soybean lines | University of Nebraska-Lincoln/SmithBucklin Corporation/United Soybean Board | \$ 18,725 |
| | AK Childrens Center | Williams, Lynnette | | | |
| | | | DSS Technology Grant | SC Department of Social Services (DSS) | \$ 40,000 |
| University of SC Upstate | | | | | |
| | UPS Economics Fin & Accounting | Gupta, Uma | | | |
| | | | Zillow Experiential Learning Agreement | Zillow, Inc. | \$ 60,000 |
| | UPS Science & Eng | Ruppel, Joshua | | | |
| | | | Synthesis of Carbohydrate-Phthalocyanine Conjugates for Biomedical Applications | Davidson College/NIH | \$ 199,518 |