

**Office of Research**  
**IT and Data Management Office**

December, 2022 New Awards

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**Arnold School of Public Health**

***Center for Community Health Alignment***

**Smithwick, Julie**

*Envision Healthy Communities*

475,681

**Sponsor:** Wisconsin Department of Health Services/CDC

PS PROJECT: 10012472

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

***Epidemiology & Biostatistics***

**Nolan, Melissa**

*Employing a big data approach to elucidate climate change's impact on early childhood development in the United States*

50,000

**Sponsor:** Burroughs Wellcome

PS PROJECT: 10012589

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

***Exercise Science***

**Potter, Elizabeth**

*Barriers to utilization of SNAP fruit and vegetable incentive programs for families with food insecurity - Sub-contract with University of California, San Francisco*

12,419

**Sponsor:** University of California, San Francisco (UCSF)/NIH

PS PROJECT: 10012593

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**Health Prom., Educ. & Behavior**

**Draper, Carrie**

*Project 1: Statewide SNAP-Ed Evaluation* 115,730

**Sponsor:** SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10012422

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Project 2: Library Nutrition Support Implementation* 49,594

**Sponsor:** SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10012423

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Project 3: FoodShare SC* 136,856

**Sponsor:** SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10012424

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Project 4: State Level Food Policy Council* 154,488

**Sponsor:** SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10012425

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Project 5: Local Food Policy Councils* 126,568

**Sponsor:** SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10012426

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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*Project 6: Strengthening and Expanding Transportation* 129,223

**Sponsor:** SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10012427

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Frongillo, Edward**

*Using causal mediation models to examine multi-sectoral health and nutrition program impact paths and moderation by agricultural interventions and equity* 33,439

**Sponsor:** Helen Keller International/London School of Hygiene & Tropical Medicine

PS PROJECT: 10012581

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

**Health Services Policy & Mgmt**

**Brooks, John**

*The Development and Evaluation of a Patient-Centered Opioid Discharge Prescribing Guideline within the Electronic Health Record of a Health System.* 364,552

**Sponsor:** Agency for Healthcare Research and Quality (AHRQ)/HHS

PS PROJECT: 10012605

AWARD\_PROJECT\_AMT. IF AVAILABLE: 1,551,448

PROJECT YEARS: 4

**Hair, Nicole**

*Long-Term Effects of Measles Vaccine Mandates on Educational Attainment and Cognitive Function* 20,613

**Sponsor:** University of Southern California, Alzheimer's Disease Resource Centers for Minority Aging Research (ADRCMAR)/NIA/NIH

PS PROJECT: 10012556

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**Ostermann, Jan**

*Chanjo Kwa Wakati - Leveraging community health workers and a responsive digital health system to improve vaccination coverage and timeliness in rural settings* 638,030

**Sponsor:** National Institute of Child Health & Human Development (NICHD)/NIH

PS PROJECT: 10012596

AWARD\_PROJECT\_AMT. IF AVAILABLE: 2,957,258

PROJECT YEARS: 5

*(Valerie Yelverton - PI) Patient experiences and disparities in telehealth HIV care during the COVID-19 pandemic: A mixed methods study from the Southern US* 41,983

**Sponsor:** Agency for Healthcare Research and Quality (AHRQ)/HHS

PS PROJECT: 10012612

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Wright, Brad**

*Observation Stays and Readmissions for Older Adults: Implications for Medicare Policies* 28,700

**Sponsor:** University of Washington/NIA/NIH

PS PROJECT: 10012580

AWARD\_PROJECT\_AMT. IF AVAILABLE: 57,402

PROJECT YEARS: 2

**PASOS**

**Martin, Maria**

*MIECHV 2022-2023 Children's Trust PASOs* 100,000

**Sponsor:** Children's Trust of South Carolina/HRSA

PS PROJECT: 10012595

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**College of Arts and Sciences**

**Baruch Institute**

**Morris, James**

*Evaluating risk of tidal marsh inundation and monetizing services to prioritize management actions* 39,102

**Sponsor:** University of Georgia/NOAA

PS PROJECT: 10012588

AWARD\_PROJECT\_AMT. IF AVAILABLE: 39,102

PROJECT YEARS: 4

**Smith, Erik**

*Building Capacity at the North Inlet – Winyah Bay NERR for conservation and restoration infrastructure projects* 35,203

**Sponsor:** National Oceanic & Atmospheric Administration (NOAA)/DOC

PS PROJECT: 10012545

AWARD\_PROJECT\_AMT. IF AVAILABLE: 188,675

PROJECT YEARS: 3

**Biological Sciences**

**Armstrong, Alissa**

*Improving DEI via investigating the role of inter-organ communication in whole-organism responses to diet* 1,150,000

**Sponsor:** Silicon Valley Community Foundation (SVCF) - Chan Zuckerberg Initiative

PS PROJECT: 10012592

AWARD\_PROJECT\_AMT. IF AVAILABLE: 1,150,000

PROJECT YEARS: 5

**Chemistry & Biochemistry**

**Ge, Ting**

*CAREER: Molecular Modeling of Ring Polymer Mechanics - Expanding Applicability of Ring Polymer* 203,849

**Sponsor:** National Science Foundation (NSF)

PS PROJECT: 10012604

AWARD\_PROJECT\_AMT. IF AVAILABLE: 516,622

PROJECT YEARS: 5

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**Psychology**

**Coffman, Donna**

*mHealth-based Just-In-Time Intervention to Improve Physical Activity Microrandomized Trial (Subaward from Temple)* -1

**Sponsor:** Temple University/NICHD/NIH

PS PROJECT: 10012483

AWARD\_PROJECT\_AMT. IF AVAILABLE: 116,249

PROJECT YEARS: 4

*Behavioral and Biological Rhythms in Children's Obesity-Related Health Disparities SEARCH: (subaward from Temple)* 18,126

**Sponsor:** Temple University/NIH

PS PROJECT: 10012582

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 4

*Development of a Sensor-Based Movement Biomarker to Capture Upper Extremity Use* 16,000

**Sponsor:** Temple University/DOD

PS PROJECT: 10012608

AWARD\_PROJECT\_AMT. IF AVAILABLE: 32,000

PROJECT YEARS: 2

**Smith, Courtnie**

*John H. Magill School Mental Health Certificate Program* 9,650

**Sponsor:** SC Department of Mental Health (SCDMH)

PS PROJECT: 10012601

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**College of Education**

***Instruction & Teacher Educ.***

**Hodges, Thomas**

*South Carolina Center for Research on Teacher Education (SC-Teacher) 2022/2023* 7,500

**Sponsor:** SC Commission on Higher Education

PS PROJECT: 10012613

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Muller, Meir**

*Kosher and Halal: An Area of Alliance Between Jews and Muslims* 2,100

**Sponsor:** Academic Engagement Network (AEN)

PS PROJECT: 10012618

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

***Research, Eval., & Measurement***

**Lewis, Ashlee**

*Evaluation of Arts Grow SC 22-23* 143,600

**Sponsor:** SC Arts Commission/SCDE/USDE

PS PROJECT: 10012499

AWARD\_PROJECT\_AMT. IF AVAILABLE: 176,000

PROJECT YEARS: 1

**College of Engineering & Comp.**

***Civil & Environmental Eng.***

**Hoque, Shamia**

*Improving Outcomes in Prostate Cancer based on Comorbidities: Developing Personalized Medicine* 5,643

**Sponsor:** Vandeventer Place Research Foundation (dba Veterans Research & Education Foundation)/AMRMC/DOD

PS PROJECT: 10012591

AWARD\_PROJECT\_AMT. IF AVAILABLE: 149,894

PROJECT YEARS: 4

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**Rizos, Dimitris**

*Expanding Summer Youth Programs in Rail through Virtual Learning and a National Campus Network* 6,789

**Sponsor:** Michigan Technological University/Federal Railroad Administration/DOT

PS PROJECT: 10012606

AWARD\_PROJECT\_AMT. IF AVAILABLE: 13,709

PROJECT YEARS: 3

**Electrical Engineering**

**Nasiri, Adel**

*Resilient MVDC and MVAC/MVDC Distribution Systems* 58,021

**Sponsor:** Center for Grid-connected Advanced Power Electronics Systems (GRAPES) - University of Arkansas

PS PROJECT: 10012607

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

**IIT - Engineering**

**Hikmet, Neset**

*South Carolina Center for Research on Teacher Education (SC-Teacher) 2022/2023* 105,000

**Sponsor:** SC Commission on Higher Education

PS PROJECT: 10012614

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**College of Information & Comm.**

**School of Information Sciences**

**Thompson, Kim**

*The Practice Model for an Equitable Workplace Transition Program (EWTP): Disability and Neurodiversity* 40,708

**Sponsor:** University of Denver/IMLS

PS PROJECT: 10012600

AWARD\_PROJECT\_AMT. IF AVAILABLE: 73,104

PROJECT YEARS: 2



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**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* 20,000

**Sponsor:** Society of Infectious Diseases Pharmacists (SIDP)

PS PROJECT: 10012602

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Darla Moore School of Business**

***Moore Sch - Div. of Research***

**Von Nessen, Joseph**

*BMW: Economic Impact Analysis* 52,000

**Sponsor:** BMW Manufacturing Company, LLC

PS PROJECT: 10012616

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Division of Student Affairs**

***Substance Abuse and Prevention***

**Hourigan, Aimee**

*Great Plays at Carolina 2023* 9,999

**Sponsor:** International Town Gown Association (ITGA)

PS PROJECT: 10012585

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**School of Law**

**Children's Law Center**

**Black, Shelandra**

*Addressing Minority Youth Contact with Law Enforcement: An Approach to Reducing Racial and Ethnic Disparities in the South Carolina Juvenile Justice System* 67,129

**Sponsor:** Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ

PS PROJECT: 10012619

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**School of Medicine**

**Cell Biology & Anatomy**

**Tan, Wenbin**

*Targeting of Photodynamic Therapy-Resistant Port-Wine Birthmarks* 297,956

**Sponsor:** US Army Medical Research Acquisition Activity (USAMRAA)/DOD

PS PROJECT: 10012594

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

**Pharm., Physiology & Neuroscience**

**Foster, Daniel**

*Pharmacological modulation of striatal physiology and repetitive behaviors by M4 PAMs* 335,250

**Sponsor:** National Institute of Mental Health (NIMH)/NIH

PS PROJECT: 10012586

AWARD\_PROJECT\_AMT. IF AVAILABLE: 1,139,830

PROJECT YEARS: 4

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**University of SC Aiken**

***AK Biology & Geology***

**Hancock, Charles Nathan**

*Characterization of seed protein quality in re-balanced soybean lines* 18,725

**Sponsor:** University of Nebraska-Lincoln/SmithBucklin Corporation/United Soybean Board

PS PROJECT: 10012603

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

***AK Childrens Center***

**Williams, Lynnette**

*DSS Technology Grant* 40,000

**Sponsor:** SC Department of Social Services (DSS)

PS PROJECT: 10012599

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**University of SC Upstate**

***UPS Economics Fin & Accounting***

**Gupta, Uma**

*Zillow Experiential Learning Agreement* 60,000

**Sponsor:** Zillow, Inc.

PS PROJECT: 10012609

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

***UPS Science & Eng***

**Ruppel, Joshua**

*Synthesis of Carbohydrate-Phthalocyanine Conjugates for Biomedical Applications* 66,506

**Sponsor:** Davidson College/NIH

PS PROJECT: 10012615

AWARD\_PROJECT\_AMT. IF AVAILABLE: 199,518

PROJECT YEARS: 3

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**Report Total: \$5,286,731**