

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

December, 2019 Awards

Arnold School of Public Health

Applied Research & Evaluation (CARE)

Workman, Lauren

Rural Health Research Center Cooperative Agreement 2019-2020 - NCI Project -767

Sponsor: Health Resources & Services Administration (HRSA)/HHS

Environmental Health Sciences

Decho, Alan

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - Year 2
(MICRO CORE)* 25,409

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - MICRO CORE* -25,409

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

Lead, Jamie

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - Year 2 (TOX
CORE)* 11,114

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - TOX CORE* -11,114

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

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Scott, Geoffry

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - Year 2
(MICRO CORE)* 9,354

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - MICRO CORE* -9,354

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

Xiao, Shuo

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - Year 2 (TOX
CORE)* 51,044

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - TOX CORE* -51,044

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

Development of a High-Throughput Platform for Screening Ovotoxic Chemicals 162,428

Sponsor: National Institute of Environmental Health Sciences (NIEHS)/NIH

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Epidemiology & Biostatistics

Cai, Bo

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - Year 2 (TOX
CORE)* 3,662

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - TOX CORE* -3,662

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

Eberth, Jan

Rural Health Research Center Cooperative Agreement 2019-2020 - FORHP Project -21,944

Sponsor: Health Resources & Services Administration (HRSA)/HHS

Liu, Jihong

Healthy Start Initiative: Eliminating Disparities in Perinatal Health 7,753

Sponsor: Prisma Health - Midlands/HRSA

McDermott, Suzanne

Elsevier Inc. - Co-Editor-in-Chief Agreement 10,000

Sponsor: ELSEVIER INC.

Exercise Science

Lewis, ALLISON

*Effects of social comparative feedback during practice on motor sequence learning
and resting state connectivity* 31,016

Sponsor: American Heart Association (AHA)

Silfies, Sheri

*Linking Altered Cortical Sensorimotor Integration with Movement Impairments in Back
Pain* 148,364

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

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Health Prom., Educ. & Behavior

Brandt, Heather

Rural Health Research Center Cooperative Agreement 2019-2020 - NCI Project 6,001
Sponsor: Health Resources & Services Administration (HRSA)/HHS

Draper, Carrie

Project 1: Statewide SNAP-Ed Priority Indicators Evaluation 11,137
Sponsor: SC Department of Social Services/USDA

Friedman, Daniela

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - Year 2
(COMME CORE)* 11,554
Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

*Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - COMME CORE* -11,554
Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

Thrasher, James

Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease 29,800
Sponsor: University of North Carolina at Chapel Hill/NCI/NIH

PASOS

Martin, Maria

DHEC WIC and PASOs Contract -488,562
Sponsor: SC Department of Health & Environmental Control (DHEC)/USDA

Young, Michael

Carolina Family Engagement Center (CFEC) - PASOS 6,300
Sponsor: Office of Innovation and Improvement/USDE

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December, 2019 Awards

Public Health - Dean's Office

Murday, David

Number, Primary and Secondary Diagnoses, and Costs of Emergency Department Visits in a Population-based Cohort of People with Spinal Cord Injury 26,908

Sponsor: Medical University of South Carolina (MUSC)/HHS

College of Arts and Sciences

Art

Brandt, Lydia

Fellowship at the Fred W. Smith National Library for the Study of George Washington at Mount Vernon 20,000

Sponsor: Fred W. Smith National Library for the Study of George Washington at Mount Vernon

Baruch Institute

Alizad, Karim

Developing Composite Time Series Restoration Trajectories in Salt Marsh Habitat 8,101

Sponsor: Louisiana State University and A&M College/USACE

Biological Sciences

Armstrong, Alissa

Pilot Project: Developing Drosophila as a Model to Screen Dietary Botanical Supplements 20,000

Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH

Chemistry & Biochemistry

Adams, Richard

Journal of Organometallic Chemistry 6,000

Sponsor: Elsevier Science, Inc.

Benicewicz, Brian

Reactive End-Group Polybenzimidazole Oligomers for HT-Thermosets-Renewal 96,530

Sponsor: PBI Performance Products

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Chen, Donna

Project 20: Hydrogenation Activity on Pd Surfaces Modified by Carbon 27,000

Sponsor: CeRCaS/Various Commercial

Geography

Cutter, Susan

Mitigation Needs Assessment for CDBG-MIT Plan 50,000

Sponsor: SC Disaster Recovery Office (SCDRO)/SC Dept. of Administration

Physics & Astronomy

Petti, Roberto

Neutrino Physics at the Intensity Frontier 280,000

Sponsor: Department of Energy (DOE)

Rodney, Steven

SALT3: Taking the Type Ia Supernova Cosmology Workhorse to Longer Wavelengths 16,594

Sponsor: Space Telescope Science Institute/NASA

Psychology

Vendemia, Jennifer

Linking Altered Cortical Sensorimotor Integration with Movement Impairments in Back Pain 53,100

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

Will, Elizabeth

Early Indicators of Autism Risk in Down syndrome (Y2) 61,696

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

School of Earth, Ocean & Env.

Lang, Susan

The DEEP Project: DEtecting Extraterrestrial Piezophiles in Ocean World Analogs 12,602

Sponsor: Rensselaer Polytechnic Institute/NASA

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December, 2019 Awards

College of Education

Educational Studies

Plotner, Tony

Project FUSION: Preparing Special Education Leaders with a Focus on Research to Practice in Transition 250,000

Sponsor: Office of Special Education and Rehabilitative Services/USDE

Instruction & Teacher Educ.

Baum, Angela

Home C2OOKING: Creative Culinary Opportunities Offering Kids Inquiry-Based Nutritional Genius 21,659

Sponsor: Northern Illinois University/NIGMS/NIH

Research, Eval., & Measurement

Lewis, Ashlee

Carolina Family Engagement Center (CFEC) - REM Center 166,638

Sponsor: Office of Innovation and Improvement/USDE

SC School Improvement Council

Utter, Karen

Carolina Family Engagement Center (CFEC) 755,647

Sponsor: Office of Innovation and Improvement/USDE

College of Engineering & Comp.

Chemical Engineering

Meekins, Benjamin

Fuel Cell Catalyst Contamination Study 33,447

Sponsor: Nuvera Fuel Cells

Monnier, John

Project 22: Computational and Experimental Analysis of Ag Catalysts with GNP or Bimetallic Materials on Direct Propylene Oxide Synthesis 27,000

Sponsor: CeRCaS/Various Commercial

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December, 2019 Awards

Regalbuto, John

Project 18: 3D Printed Catalysis Monolith Year 2: Rational Investigation of How Catalyst Synthesis Affects the Nanoparticle Surface Chemistry and Activity on 3dP Monoliths 134,000

Sponsor: CeRCaS/Various Commercial

Ritter, James

Development of a TSA Process for CO2 Removal Using a Structured 13X Adsorbent: Part V 150,000

Sponsor: Jacobs Technology, Inc./NASA

Shimpalee, Sirivatch

Modeling of Electrolytic Dissolution 125,000

Sponsor: Savannah River National Laboratory/DOE

Williams, Christopher

Project 23: Bimetallic Indium-Copper Catalysts for Hydrogenation of Syngas-Derived Dimethyl Oxalate to Ethylene Glycol 27,000

Sponsor: CeRCaS/Various Commercial

Civil & Environmental Eng.

Huynh, Nathan

Utilization of Traffic Speed Deflectometer for Pavement Management 106,071

Sponsor: SC Department of Transportation (SCDOT)/FHWA

Matta, Fabio

Extremely Durable Graphene Oxide Nanoribbon Reinforced Concrete 80,000

Sponsor: Savannah River National Laboratory/DOE

Qian, Yu

Investigation of Fouling Particle Transport and Settlement Mechanism in Railroad Ballast for Shoulder Cleaning Optimization, Phase I 172,460

Sponsor: Loram Maintenance of Way, Inc.

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Viparelli, Enrica

CAREER: Quantifying the Response of Rivers and Floodplains to Changes in Climate and Land Use 26,500

Sponsor: National Science Foundation (NSF)

Electrical Engineering

Chandrashekhar, MVS

Doping cubic boron nitride, an extreme material for power electronics and radiation detection 59,193

Sponsor: Morgan State University/NSF

Wang, Xiaofeng

A Remote Egg-oiling System with Autonomous and Automated Target Object Identification for Nuisance Bird Management 30,000

Sponsor: Hitron Technologies/U.S. Navy

Mechanical Engineering

Dryer, Frederick

Integration of NMR interpretation tool in Surrogate Formulation and High Pressure Laminar Flow Reactor for Species Diagnostics in Jet Fuel Combustion -50,000

Sponsor: Universal Technology Corporation, US Airforce Research Laboratory (AFRL)

Harik, Ramy

TO5 Experimental evaluation of fuzz and resin buildup during continuous AFP layups using Toray Conventional and New Materials 104,323

Sponsor: Toray

Reynolds, Anthony

Friction Stir Processing 35,000

Sponsor: Various Sponsors

van Tooren, Michael

2019 Reify-SAIC Workshop 10,000

Sponsor: Reify LLC

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Wang, Yi

A Simulation Framework of Multi-objective Evolutionary Algorithms and Surrogate-based Optimization for Guided Weapon Design

92,356

Sponsor: CFD Research Corporation/US Air Force

College of Nursing

Nursing

Bell, Nathaniel

Rural Health Research Center Cooperative Agreement 2019-2020 - FORHP Project

5,376

Sponsor: Health Resources & Services Administration (HRSA)/HHS

Burgess, Stephanie

Choose Well Initiative

20,257

Sponsor: Private Foundation

College of Social Work

Families in Society, Institute

Shapiro, Cheri

South Carolina Program for Infant/Toddler Care Evaluation Services

235,379

Sponsor: Medical University of South Carolina (MUSC)

Darla Moore School of Business

Moore Sch - Div. of Research

Von Nessen, Joseph

The Economic Impact of MUSC

105,000

Sponsor: Medical University of South Carolina (MUSC)

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December, 2019 Awards

School of Law

Children's Law Center

Morris, Carolyn

Connection of Child Maltreatment and Juvenile Delinquency

137,703

Sponsor: SC Department of Public Safety/DOJ

Law - Dean's Office

Samuels, Joel

Enhancing Regional Cooperation on Access to Justice for All in Conflict-Affected Countries in the Asia/Pacific Region

50,000

Sponsor: New York University (NYU)/Ministry of Foreign Affairs of the Netherlands

School of Medicine

Family & Preventive Medicine

Bennett, Kevin

Rural Health Research Center Cooperative Agreement 2019-2020 - NCI Project

11,334

Sponsor: Health Resources & Services Administration (HRSA)/HHS

Internal Medicine

Albrecht, Helmut

GS-US-380-4580: A Phase 3b, Multicenter, Open-Label Study to Evaluate Switching From a Regimen of Two Nucleos(t)ide Reverse Transcriptase Inhibitors (NRTI) plus a Third Agent to a Fixed Dose Combination (FDC) of Bictegravir/Emtricitabine/Tenofovir Alafenamide (B/F/TAF), in Virologically-Suppressed, HIV-1 Infected African American Participants

1,261

Sponsor: Gilead Sciences, Inc

Newsome, Brandi

A post-authorization Safety (PAS) Observational Cohort Study to Quantify the Incidence and Comparative Safety of Selected Cardiovascular and Cerebrovascular Events in COPD Patients Using Inhaled UMEC/VI Combination or Inhaled UMEC versus Tiotropium (Study 201038) Site Number 225700.

2,623

Sponsor: Outcomes Sciences, LLC/Glaxo Smith Kline

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Neurology

McElveen, W

A PHASE III, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL-GROUP, EFFICACY, AND SAFETY STUDY OF GANTENERUMAB IN PATIENTS WITH EARLY (PRODROMAL TO MILD) ALZHEIMER'S DISEASE (GRADUATE) 23,424

Sponsor: F. Hoffman-La Roche Ltd./Genetech, Inc./Roche Holdings, Inc.

Neuropsychiatry

Narasimhan, Meera

Young Lives Matter 60,000

Sponsor: SC Department of Mental Health/SAMHSA/HHS

Path, Microbio. & Immunology

Nagarkatti, Prakash

Center for Dietary Supplements and Inflammation Phase -2 (Admin Core - Year 7) -20,000

Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH

Sougiannis, Alexander

Enhancing the Efficacy of 5 Fluorouracil using Emodin as a Complementary Therapeutic 36,409

Sponsor: National Center for Complementary & Integrative Health (NCCIH)/NIH

Pediatrics

Rotholz, David

South Carolina Assistive Technology Program 43,187

Sponsor: Administration for Community Living/HHS

Surgery

Clair, Daniel

A Prospective, Multicenter, Non-Blinded, Non-Randomized Study of the RelayPro in Subjects with Thoracic Aortic Aneurysms and Penetrating Atherosclerotic Ulcers (Protocol IP-0015-16) 1,000

Sponsor: Bolton Medical, Inc.

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School of Medicine (Grvl)

Medicine Greenville

Sharkey, Angela

Root Cause - Partnering for Community Health

10,000

Sponsor: American Association of Medical Colleges (AAMC)/CDC

University of SC Aiken

AK Col Arts, Hum & Soc Sci

Hollingsworth, Mark

Mapping Current Israeli Politics, an Experts View

2,000

Sponsor: SC Humanities/NEH

AK School of Education

Hanson, Kay

USCA SC-CREATE 2019-2020

52,469

Sponsor: SC Department of Education/USDE

University of SC Beaufort

BFT Natural Sciences

D'Antonio, Edward

Improving the Collection of Recyclable Materials at the University of South Carolina Beaufort

3,917

Sponsor: PalmettoPride

University of SC Upstate

Upstate

Parker, Jennifer

Engaging and Training with Compassion

45,140

Sponsor: SC Department of Mental Health/BCBS Foundation of SC

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Report Total: \$3,762,830