

Office of Research
IT and Data Management Office

September, 2018 New Awards

Arnold School of Public Health

Environmental Health Sciences

Chatterjee, Saurabh

Interactions of Climate Change on Oceans and Human Health (CAPICCOHH): 130,486
Assessment of Effects on Ocean Health Related Illness and Disease and Development of
Prevention Strategies to Better Protect Public Health - TOX CORE - 11510-FC00

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Decho, Alan

Interactions of Climate Change on Oceans and Human Health (CAPICCOHH): 73,330
Assessment of Effects on Ocean Health Related Illness and Disease and Development of
Prevention Strategies to Better Protect Public Health - MICRO CORE - 11510-FB98

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Lead, Jamie

Interactions of Climate Change on Oceans and Human Health (CAPICCOHH): 72,360
Assessment of Effects on Ocean Health Related Illness and Disease and Development of
Prevention Strategies to Better Protect Public Health - TOX CORE - 11510-FC02

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Norman, Robert

Interactions of Climate Change on Oceans and Human Health (CAPICCOHH): 95,237
Assessment of Effects on Ocean Health Related Illness and Disease and Development of
Prevention Strategies to Better Protect Public Health - MICRO CORE - 11510-FB97

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

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Porter, Dwayne

Compilation of Total Fecal Coliform, E. coli and Enterococcus spp. Sampling at Southeastern Coastal National Parks - 11510-FB94 5,000

Sponsor: National Park Service

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

*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 - 11510-FB96* 170,921

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

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 - ADMIN CORE - 11510-FB95* 278,603

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 5,749,339
PROJECT_YEARS: 5

*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 - 11510-FB99* 29,265

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Vejerano, Eric Warren

*Formation of Environmentally Persistent Free Radicals on Engineered Nanomaterials
During Thermal Treatment - 11510-FB93* 380,611

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 3

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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 - TOX CORE - 11510-FC01* 60,679

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

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 - TOX CORE - 11520-FB70* 21,465

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Liese, Angela

*Exploring and Synthesizing the Association of the HEI-2015 with Mortality Outcomes
Across Cohorts - NCI Manuscript - 11520-FL26* 25,000

Sponsor: National Cancer Institute (NCI)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Exercise Science

Beets, Michael

*What's UP (Undermining Prevention) with Summer? Etiology of Accelerated Weight Gain
during Summer vs. School Year - 11530-FB42* 658,532

Sponsor: National Institute of Diabetes and Digestive and Kidney Diseases
(NIDDK)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 3,237,163
PROJECT_YEARS: 5

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Silfies, Sheri

Linking Altered Cortical Sensorimotor Integration with Movement Impairments in Back Pain - 11530-FB40 318,182

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

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 1,572,794
PROJECT_YEARS: 4

Health Prom., Educ. & Behavior

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 - COMME CORE - 11540-FB01 30,764

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Healthy Brain Research Network (HBRN) Scholar Program: University of South Carolina HBRN Collaborating Center - 11570-KA21 20,000

Sponsor: Alzheimer's Foundation of America

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Li, Xiaoming

Scale It Up: Effectiveness-Implementation Research to Enhance HIV-Related Self-Management among Adolescents and Young Adults - Analytic Core for U19 Application - 11540-FA98 22,092

Sponsor: Florida State University/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

National implementation of FOYC+ClmPACT in the Bahamas: implementation strategies and improved outcomes - 11540-FA99 18,122

Sponsor: University of Massachusetts/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 90,610
PROJECT_YEARS: 5

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Health Services Policy & Mgmt

Hair, Nicole

School Entry Vaccination Requirements and the Black/White Achievement Gap - 11550-KA23 49,729

Sponsor: Spencer Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

College of Arts and Sciences

Archaeology & Anthropology

Smith, Steven

Archeological Testing at 14 Sites, Fort Bragg, North Carolina - 21300-FB14 186,262

Sponsor: US Army Corps of Engineers Fort Worth/DOD

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Metal Detecting Survey Congaree Battlefield - 21300-GA25 6,000

Sponsor: SC Department of Natural Resources (SCDNR)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Baruch Institute

Quattro, Joseph

Evaluation of molecular analysis to identify and quantify ichthyoplankton samples - 21600-FC83 76,631

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

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

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Chemistry & Biochemistry

Chen, Donna

Multimetallic Metal-Organic Frameworks as Tunable, Multifunctional Catalysts for Gas Phase Hydroformylation and Hydrogenation Reactions. - 13020-FD26 184,093

Sponsor: US Department of Energy (DOE)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 666,408
PROJECT_YEARS: 3

Chruszcz, Maksymilian

Role of Ly6K in TGF and Immune Escape Pathways of Triple Negative Breast Cancer - 13020-FD22 10,000

Sponsor: Henry W. Jackson Foundation for the Advancement of Military Medicine/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Ferry, John

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 - CHEM CORE - 13020-FD23 61,323

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Richardson, Susan

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 - CHEM CORE - 13020-FD24 63,181

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

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Shaw, Timothy

*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 - CHEM CORE - 13020-FD25* 60,399

Sponsor: National Institutes of Environmental Health (NIEH)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Shimizu, Linda

*Role of Ly6K in TGF and Immune Escape Pathways of Triple Negative Breast Cancer -
13020-FD21* 10,000

Sponsor: Henry W. Jackson Foundation for the Advancement of Military Medicine/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 3

Shustova, Natalia

*Multimetallic Metal-Organic Frameworks as Tunable, Multifunctional Catalysts for Gas
Phase Hydroformylation and Hydrogenation Reactions. - 13020-FD27* 68,002

Sponsor: US Department of Energy (DOE)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 3

Earth & Ocean Sciences

Lakshmi, Venkataraman

Mekong Delta Land, Climate & Water Data Analytics Services - 21610-KA02 213,050

Sponsor: World Bank

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Mathematics

Tan, Changhui

Regularity and singularity formations in swarming and related fluid models - 13200-FA00 38,172

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 118,211
PROJECT_YEARS: 3

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McKissick Museum

Cicimurri, Christian

Historic Southern Naturalists: Bringing Southern History and Natural History Together Online - 34000-FL11 226,436

Sponsor: Institute of Museum and Library Services

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 3

Przybysz, Jane

Conversations in Clay: The Past, Present and Future of Ceramic Art in SC - 34000-FL12 20,000

Sponsor: National Endowment for the Arts (NEA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Psychology

Vendemia, Jennifer

Linking Altered Cortical Sensorimotor Integration with Movement Impairments in Back Pain - 13580-FB64 99,629

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

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 4

Zarrett-Kivita, Nicole

Enduring Character Virtues: How After-School Organized Activities Support Character Development from Childhood through Young Adulthood - 13580-KB00 50,610

Sponsor: University of California, Irvine/John Templeton Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 113,558
PROJECT_YEARS: 3

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College of Education

Research, Eval., & Measurement

Dickenson, Tammiee

Evaluation of the SC State Museum's Observatory Education Program - 15290-GL56 54,750

Sponsor: SC State Museum

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

College of Engineering & Comp.

Chemical Engineering

Regalbuto, John

Project 12: 3D Printed Catalytic Monolith - 15510-JB39 27,000

Sponsor: CeRCaS/Various Commercial

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Project 16: Solid-Supported Catalysts Design for Optimized Electrocatalytic Oxidation of Alkenes to Ketones - 15510-JB40 27,000

Sponsor: CeRCaS/Various Commercial

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Sasmaz, Erdem

Combinatorial Discovery of Heterogeneous Catalysts Utilizing Emission Spectroscopy and Advanced Machine Learning - 15510-FD17 45,000

Sponsor: AccuStrata, Inc/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

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Computer Science & Engineering

Luo, Lannan

SaTC: CORE: Small: Collaborative: Enabling Precise and Automated Insecurity Analysis of Middleware on Mobile Platforms - 15590-FB42 159,000

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 3

Electrical Engineering

Chandrashekar, MVS

Ultrawide bandgap AlGaIn photodetectors for solar-blind UV detection and radiation monitoring - 15530-FB91 370,890

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 3

Wang, Xiaofeng

NRI: INT: COLLAB: SYNDROME: SYNergetic DROne Delivery Network in MEtropolis - 15530-FB90 175,000

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 3

Mechanical Engineering

Knight, Travis

Aluminum-Clad Spent Nuclear Fuel Management - 15540-FD87 25,309

Sponsor: Battelle Energy Alliance, LLC/Idaho National Laboratory/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

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September, 2018 New Awards

College of Information & Comm.

Journalism & Mass Comm.

Jang, Seung

Evolution in Digital Discourse: Toward a Computational Tool for Identifying Patterns of Language Change in Social Media - 15600-FA08 89,566

Sponsor: National Endowment for the Humanities (NEH)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 2

Library & Information Sciences

Arns, Jennifer

META 2: Furthering Our Understanding of the Economic Value of Public Library Services - 15700-FA06 110,108

Sponsor: Institute of Museum and Library Services

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 2

Kitzie, Vanessa

Examining Public Library Service to LGBTQ Communities for Health-related Information - 15700-FA05 298,237

Sponsor: Institute of Museum and Library Services (IMLS)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 3

College of Nursing

Nursing

Jenerette, Coretta

Class of 2018 Macy Faculty Scholar - 11200-KJ09 113,056

Sponsor: The Josiah Macy Jr. Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 226,112
PROJECT_YEARS: 2

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September, 2018 New Awards

College of Social Work

Social Work - Dean's Office

Levkoff, Sue

*Carolina Center on Alzheimer's Disease and Minority Research (CCADMR) - Admin
Core - 15900-FA77* 337,155

Sponsor: National Institute on Aging (NIA)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 3,195,097
PROJECT_YEARS: 5

*Carolina Center on Alzheimer's Disease and Minority Research (CCADMR) - Analysis
Core - 15900-FA78* 94,367

Sponsor: National Institute on Aging (NIA)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

*Carolina Center on Alzheimer's Disease and Minority Research (CCADMR) - Research
Education Core (Training) - 15900-FA79* 215,513

Sponsor: National Institute on Aging (NIA)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 5

Roth, Benjamin

*Promoting education equity for immigrant students: Examining the influence of school
social workers - 15900-KA39* 49,456

Sponsor: Spencer Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 2

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September, 2018 New Awards

School of Law

Law - Dean's Office

Samuels, Joel

Combatting Corruption in Conflict Countries (C-4) - 61000-FA11

443,554

Sponsor: Bureau of International Narcotics and Law Enforcement Affairs (INL)/DOS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 2

School of Medicine

Path, Microbio. & Immunology

Bader, Jackie

Targeting macrophages to reduce colorectal cancer: Impact of metabolic reprogramming - 18060-FB53

35,718

Sponsor: National Cancer Institute (NCI)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 6

Pharm., Physiology & Neurology

Pocivavsek, Ana

Kynurenic Acid, Sleep and Cognition - 18080-FA78

219,069

Sponsor: National Institute of Neurological Disorders and Stroke (NINDS)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 1,095,162

PROJECT_YEARS: 5

University 101

Univ. 101

Keup, Jennifer

National Advising Solutions Network_Phase 1 - 12040-KA01

100,000

Sponsor: NASPA-Student Affairs Administrators in Higher Education (NASPA)/Gates Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 4

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University of SC Aiken

Aiken

Shervette, Virginia

Conservation Genomics and Caribbean Fisheries Management: Stock Structure and Connectivity of Four Parrotfish Species and the Role of MPAs as Recruitment Sources - 17110-FA75 167,972

Sponsor: National Marine Fisheries Service (NMFS)/NOAA/DOC

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:	505,411
PROJECT_YEARS:	3

Report Total: \$6,991,886