Arnold School of Public Health

Environmental Health Sciences

Chatterjee, Saurabh

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-FC00  

Sponsor: National Institutes of Environmental Health (NIEH)/NIH  
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 130,486  
PROJECT_YEARS: 5  

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 - MICRO CORE - 11510-FB98  

Sponsor: National Institutes of Environmental Health (NIEH)/NIH  
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 73,330  
PROJECT_YEARS: 5  

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 - TOX CORE - 11510-FC02  

Sponsor: National Institutes of Environmental Health (NIEH)/NIH  
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 72,360  
PROJECT_YEARS: 5  

Norman, Robert

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-FB97  

Sponsor: National Institutes of Environmental Health (NIEH)/NIH  
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 95,237  
PROJECT_YEARS: 5
Porter, Dwayne
Compilation of Total Fecal Coliform, E. coli and Enterococcus spp. Sampling at Southeastern Coastal National Parks - 11510-FB94

Sponsor: National Park Service
Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 5,000
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

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

AWARD_PROJECT_AMT. IF AVAILABLE: 170,921
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

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

AWARD_PROJECT_AMT. IF AVAILABLE: 278,603
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

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

AWARD_PROJECT_AMT. IF AVAILABLE: 29,265
PROJECT_YEARS: 5

Vejerano, Eric Warren
Formation of Environmentally Persistent Free Radicals on Engineered Nanomaterials During Thermal Treatment - 11510-FB93

Sponsor: National Science Foundation (NSF)
Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 380,611
PROJECT_YEARS: 3
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

**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

**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*

**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*

**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
Silfies, Sheri

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

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

**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE: 1,572,794

PROJECT YEARS: 4

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**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

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

**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE: 30,764

PROJECT YEARS: 5

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

**Sponsor:** Alzheimer's Foundation of America

**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE: 20,000

PROJECT YEARS: 1

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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

**Sponsor:** Florida State University/NIH

**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE: 22,092

PROJECT YEARS: 5

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National implementation of FOYC+CImPACT in the Bahamas: implementation strategies and improved outcomes - 11540-FA99

**Sponsor:** University of Massachusetts/NIH

**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE: 18,122

PROJECT YEARS: 5
Health Services Policy & Mgmt
Hair, Nicole
School Entry Vaccination Requirements and the Black/White Achievement Gap - 11550-KA23
Sponsor: Spencer Foundation
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: 49,729
PROJECT_YEARS: 1

College of Arts and Sciences
Archeology & Anthropology
Smith, Steven
Archeological Testing at 14 Sites, Fort Bragg, North Carolina - 21300-FB14
Sponsor: US Army Corps of Engineers Fort Worth/DOD
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: 186,262
PROJECT_YEARS: 1

Metal Detecting Survey Congaree Battlefield - 21300-GA25
Sponsor: SC Department of Natural Resources (SCDNR)
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: 6,000
PROJECT_YEARS: 1

Baruch Institute
Quattro, Joseph
Evaluation of molecular analysis to identify and quantify ichthyoplankton samples - 21600-FC83
Sponsor: National Oceanic & Atmospheric Administration (NOAA)/DOC
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: 76,631
PROJECT_YEARS: 1
Chemistry & Biochemistry

Chen, Donna

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

**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

**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

**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

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

**Co-PI:**

- **AWARD_PROJECT_AMT. IF AVAILABLE:**
- **PROJECT_YEARS:** 5
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

**Sponsor:** National Institutes of Environmental Health (NIEH)/NIH  
**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT_YEARS: 5

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

**Sponsor:** Henry W. Jackson Foundation for the Advancement of Military Medicine/NIH  
**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT_YEARS: 3

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

**Sponsor:** US Department of Energy (DOE)  
**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT_YEARS: 3

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**Earth & Ocean Sciences**  
Lakshmi, Venkataraman  
*Mekong Delta Land, Climate & Water Data Analytics Services* - 21610-KA02

**Sponsor:** World Bank  
**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT_YEARS: 1

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**Mathematics**  
Tan, Changhui  
*Regularity and singularity formations in swarming and related fluid models* - 13200-FA00

**Sponsor:** National Science Foundation (NSF)  
**Co-PI:**

AWARD_PROJECT_AMT. IF AVAILABLE: 118,211  
PROJECT_YEARS: 3
McKissick Museum
Cicimurri, Christian
Historic Southern Naturalists: Bringing Southern History and Natural History Together
Online - 34000-FL11

Sponsor: Institute of Museum and Library Services
Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 226,436
PROJECT_YEARS: 3

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

Sponsor: National Endowment for the Arts (NEA)
Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 20,000
PROJECT_YEARS: 1

Psychology
Vendemia, Jennifer
Linking Altered Cortical Sensorimotor Integration with Movement Impairments in Back Pain - 13580-FB64

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

AWARD_PROJECT_AMT. IF AVAILABLE: 99,629
PROJECT_YEARS: 4

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

Sponsor: University of California, Irvine/John Templeton Foundation
Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 113,558
PROJECT_YEARS: 3
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
### Computer Science & Engineering

Luo, Lannan  
**SaTC: CORE: Small: Collaborative: Enabling Precise and Automated Insecurity Analysis of Middleware on Mobile Platforms**  -  15590-FB42  
**Sponsor:** National Science Foundation (NSF)  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 3  

### Electrical Engineering

Chandrashekhar, MVS  
**Ultrawide bandgap AlGaN photodetectors for solar-blind UV detection and radiation monitoring**  -  15530-FB91  
**Sponsor:** National Science Foundation (NSF)  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 3  

Wang, Xiaofeng  
**NRI: INT: COLLAB: SYNDROME: SYNERGETIC DROne DELIVERY NETWORK IN METROPOLIS**  -  15530-FB90  
**Sponsor:** National Science Foundation (NSF)  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 3  

### Mechanical Engineering

Knight, Travis  
**Aluminum-Clad Spent Nuclear Fuel Management**  -  15540-FD87  
**Sponsor:** Battelle Energy Alliance, LLC/Idaho National Laboratory/DOE  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 1
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

Sponsor: National Endowment for the Humanities (NEH)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 89,566
PROJECT_YEARS: 2

Library & Information Sciences

Arns, Jennifer

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

Sponsor: Institute of Museum and Library Services

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 110,108
PROJECT_YEARS: 2

Kitzie, Vanessa

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

Sponsor: Institute of Museum and Library Services (IMLS)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 298,237
PROJECT_YEARS: 3

College of Nursing

Nursing

Jenerette, Coretta

Class of 2018 Macy Faculty Scholar - 11200-KJ09

Sponsor: The Josiah Macy Jr. Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 113,056
PROJECT_YEARS: 2

AWARD_PROJECT_AMT. IF AVAILABLE: 226,112
PROJECT_YEARS: 2
## College of Social Work

### Social Work - Dean’s Office

Levkoff, Sue

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<th>Project Description</th>
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<td><strong>Carolina Center on Alzheimer's Disease and Minority Research (CCADMR) - Admin</strong></td>
<td>National Institute on Aging (NIA)/NIH</td>
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<td><strong>Carolina Center on Alzheimer’s Disease and Minority Research (CCADMR) - Analysis</strong></td>
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<td><strong>Carolina Center on Alzheimer’s Disease and Minority Research (CCADMR) - Research Education Core (Training) - 15900-FA79</strong></td>
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### Roth, Benjamin

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<td>Promoting education equity for immigrant students: Examining the influence of school social workers - 15900-KA39</td>
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School of Law

Law - Dean's Office
Samuels, Joel

*Combatting Corruption in Conflict Countries (C-4) - 61000-FA11*  
**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*  
**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*  
**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*  
**Sponsor:** NASPA-Student Affairs Administrators in Higher Education (NASPA)/Gates Foundation  
**Co-PI:**  

AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT_YEARS: 4
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

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