Arts and Sciences, College of

Archaeology & Anthropology, SC Institute of
Cobb, Charles

Ackia and Ogoula Tchetoka: Defining Two 1736 Battlefields of the French-Chickasaw War, Tupelo, Mississippi - (21300-FA71)

Sponsor: National Park Service/DOI
Co-PI:

38,120 total project dollars if available:

Smith, Steven

Reconnaissance Study of Sherman's Campaign Through South Carolina (Year 2) - (21300-FA69)

Sponsor: National Park Service/DOI
Co-PI:

1,500 total project dollars if available:

Identifying and Integrating Optimal Cultural and Natural Sustainability Strategies For the South Atlantic Landscape Conservation Cooperative Region - (21300-FA70)

Sponsor: US Fish & Wildlife Service/DOI
Co-PI:

42,925 total project dollars if available:

Baruch Institute

Allen, Wendy

North Inlet-Winyah Bay National Estuarine Research Reserve - (21600-FB98)

Sponsor: NOS Office of Ocean & Coastal Resource Management (OCRM)/NOAA
Co-PI:

587,190 total project dollars if available:

Shervette, Virginia

MARFIN: Gray Triggerfish (Balistes Capriscus) Life History in the South Atlantic Bight: The Extensive Collection and Analysis of New Data for Age, Growth, and Reproduction and the Comparison with Data from 1992-1997 - (21600-FB97)

Sponsor: National Marine Fisheries/NOAA
Co-PI:

9,000 total project dollars if available:

146,345 total project dollars if available:

Biological Sciences

Griffen, Blaine

Linking Variation in Metabolic Processes as a Key to Prediction - (13010-FB92)

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

551,226 total project dollars if available:
Kresovich, Stephen
Genomic and Breeding Foundations for Cellulosic Sorghum Bioenergy Hybrids - (13010-FB90)  1,200,000

Sponsor: US Department of Agriculture (USDA)
Co-PI:

Tufford, Daniel
Coordinator for the Gills Creek Watershed Association - (10060-KL05)  53,573

Sponsor: Gills Creek Watershed Association
Co-PI:

Wethey, David
Climate Change and Biogeography: Effects of Extreme Events - (13010-FB91)  708,066

Sponsor: National Science Foundation (NSF)
Co-PI: Woodin, Sarah  Hilbish, Thomas

Physiological Impacts of Climate Change Using Remote Sensing - (13010-FB93)  20,000

Sponsor: National Aeronautics & Space Administration (NASA)
Co-PI: Woodin, Sarah  Hilbish, Thomas  Helmuth, Brian  Lakshmi, Venkataraman

Chemistry & Biochemistry
Adams, Richard
Synthesis of Polynuclear Transition Metal - Heavy Main Group Metal Carbonyl Complexes for Use as Next-Generation Multimetallic Heterogeneous Nano-Catalysts - (13020-FC04)  435,000

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

Benicewicz, Brian
Designed Interfaces on Nanoparticles via RAFT Polymerization - (13020-FC03)  20,000

Sponsor: Columbia University/NSF
Co-PI:
**Earth and Ocean Sciences**

Bizimis, Michael
- **Collaborative Research: Water Stratigraphy of the Oceanic Lithosphere Using Mantle Xenoliths from Hawaii** - (13040-FB93)  
  - **Sponsor:** National Science Foundation (NSF)  
  - **Co-PI:**  
  - total project dollars if available: 120,578

John, Seth
- **Trace-Metal Isotopes in Atlantic Seawater and Particles from Geotraces Transects A03 and A10.** - (13040-FB92)  
  - **Sponsor:** National Science Foundation (NSF)  
  - **Co-PI:**  
  - total project dollars if available: 453,513

**Earth Sciences & Resources Institute**

Kloot, Robin
- **Develop Video Material for Cultural and Natural Resources Outreach and Soils Education** - (24400-FA20)  
  - **Sponsor:** Natural Resources Conservation Service (NRCS)/USDA  
  - **Co-PI:** McGill, Denise  
  - total project dollars if available: 68,465

**Geography**

Cutter, Susan
- **DRRC: Baseline Indicators for Monitoring Disaster Resilience in Rural Places** - (13540-FA92)  
  - **Sponsor:** National Science Foundation (NSF)  
  - **Co-PI:** Emrich, Christopher  
  - Mitchell, Jerry  
  - total project dollars if available: 137,500

**History**

Weyeneth, Robert
- **GA: Jessica Childress** - (13550-GP81)  
  - **Sponsor:** SC Department of Archives and History  
  - **Co-PI:**  
  - total project dollars if available: 5,500

**Mathematics**

Dilworth, Stephen
- **Banach Spaces with Applications to Compressed Sensing and Greedy Convergence** - (13060-FA72)  
  - **Sponsor:** National Science Foundation (NSF)  
  - **Co-PI:**  
  - total project dollars if available: 128,504
McKissick Museum
Koverman, Jill

McKissick Museum: Natural Science Collections Inventory & Cataloging Project - (34000-FA13) 149,734

Sponsor: Institute for Museum and Library Services/NEH
Co-PI:

Physics & Astronomy
Crawford, Thomas

Collaborative Research: Pattern Transfer Nanomanufacturing with Magnetically-Recorded Nanotemplates - (13070-FB06) 240,000

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

Kulkarni, Varsha

Rings of Fire: A Spitzer IRAC Study of Polar Ring Galaxies - (13070-FB05) 22,400

Sponsor: California Institute of Technology Jet Propulsion Laboratory/NASA
Co-PI:

Statistics
Pena, Edsel

Recurrent Events, Dynamic Reliability Models, and Multiple Decision-Making with High-Dimensional Data - (13080-FB43) 267,498

Sponsor: National Science Foundation (NSF)
Co-PI: Lynch, James

Business, Moore School of

Business, Moore School of - Division of Research
Von Nessen, Joseph

South Carolina Housing Authority Economic Impact Analysis - (21200-GA17) 23,000

Sponsor: SC State Housing Finance & Development Authority
Co-PI:
Education, College of

Office of Program Evaluation
Paul, Kristina
Gifted and Talented Elementary Program Review for Lexington County School District Two - (15290-FL25)

Sponsor: Lexington County School District 2/USDE
Co-PI: 

Education & Computing, College of

Civil & Environmental Engineering
Matta, Fabio
Collaborative Research: Resilient and Sustainable Engineered Fiber-Reinforced Earthen Masonry for Windstorm Regions - (15520-FA89)

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

Mechanical Engineering
Bayoumi, Abdel
CBM: Natural Language Processing Applied to the V-22 (Osprey) Platform Data - (15540-FC00)

Sponsor: SC National Guard/DOD
Co-PI: 

Du, Yanhai
Liquid-Fueled Solid Oxide Fuel Cells - (15540-FC02)

Sponsor: Protonex Technology Corporation/ARO/DOD
Co-PI: Reifsnider, Kenneth

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Huang, Kevin

**Theoretical Design and Experimental Evaluation of Molten Carbonate Modified LSM Cathode for Ultra Low Temperature Solid Oxide Fuel Cells** - (15540-FC04)  
Sponsor: Benedict College/DOD  
Co-PI:  
Total project dollars if available: 172,455

Khan, Jamil

**University of South Carolina Nuclear Engineering Faculty Excellence Program** - (15540-FB99)  
Sponsor: US Nuclear Regulatory Commission  
Co-PI: Knight, Travis  
Total project dollars if available:

Knight, Travis

**A Course on Risk Analysis with Application to the Current and New Nuclear Plants and Fuel Cycle Facilities** - (15540-FC05)  
Sponsor: US Nuclear Regulatory Commission (NRC)  
Co-PI:  
Total project dollars if available:

Li, Xiaodong

**Flexible Core/Shell Nanocable - Carbon Microfiber Hybrid Composite Electrodes for High-Performance Supercapacitors** - (15540-FC01)  
Sponsor: National Science Foundation (NSF)  
Co-PI:  
Total project dollars if available:

**Enrollment Management**

**TRIO Programs**

Beasley, Paul

**Talent Search Program** - (21710-FL36)  
Sponsor: US Department of Education (USDE)  
Co-PI:  
Total project dollars if available: 1,656,919

**Educational Opportunity Centers Program** - (21710-FL37)  
Sponsor: US Department of Education (USDE)  
Co-PI:  
Total project dollars if available: 2,203,335
Mass Communications & Information Studies, College of Journalism & Mass Communications, School of
Covington, Randy

VOA Training - Broadcasting Board of Governors - ( 15600-FJ09 )

Sponsor: Broadcasting Board of Governors
Co-PI: 

total project dollars if available: 15,000

Mass Communications & Information Studies, College of
McGill, Denise

Develop Video Material for Cultural and Natural Resources Outreach and Soils Education - ( 15600-FA07 )

Sponsor: Natural Resources Conservation Service (NRCS)/USDA
Co-PI: 

total project dollars if available: 10,644

Medicine, School of Internal Medicine
Duffus, Wayne

Association of Cardio-metabolic Disorders with Antiretroviral Therapy Use among Individuals with HIV-infection - ( 18190-KA11 )

Sponsor: American Heart Association
Co-PI: 

total project dollars if available: 23,000

Neurology
Sen, Souvik

The Role of a Quick "Brain Attack" MRI in Acute Stroke Thrombolysis Decision - ( 18450-KA00 )

Sponsor: American Heart Association
Co-PI: 

total project dollars if available: 1,500

Neuropsychiatry
Srinivasan, Shilpa

A Multicenter, Randomized, Double-blind, Active-Controlled Study of the Efficacy and Safety of Flexibly-Dosed BMS-820836 in Patients with Treatment Resistant Major Depression - ( 18120-JA19 )

Sponsor: Bristol-Myers Squibb Company
Co-PI: 

total project dollars if available: 3,134
Pharmacy, SC College of

Pharmaceutical and Biomedical Sciences
Roninson, Igor

Secretory Patterns of Senescent Tumor Cells - (11110-FA49)  

Sponsor: National Institute on Aging (NIA)/NIH
Co-PI: 

277,202

total project dollars if available:

Public Health, Arnold School of

Environmental Health Sciences
Norman, Robert

Investigation of Microbe-based Proton Exchange Membranes (MPEMs) for Microbial Fuel Cells (MFCs) - (11510-FB36)  

Sponsor: Office of Naval Research (ONR)/DOD
Co-PI: 

74,932

224,796

total project dollars if available:

Epidemiology & Biostatistics
Driver, Stephanie

GA: Alecia Alianell - (11520-GP60)  

Sponsor: SC Department of Health & Environmental Control (DHEC)
Co-PI: 

13,200

total project dollars if available:

GA: Afiba Manza-Azele Agovi - (11520-GP61)  

Sponsor: SC Department of Health & Environmental Control (DHEC)
Co-PI: 

11,000

total project dollars if available:

Liese, Angela

Identifying Food Deserts in the Rural South: A Comparison of Food Access Measures - (11590-FA45)  

Sponsor: Southern Rural Development Center/Mississippi State/USDA
Co-PI: 

34,568

total project dollars if available:
Exercise Science
Beets, Michael
Policies to Influence Physical Activity and Nutrition in YMCA Programs - (11530-FA71) 206,700

Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH
Co-PI: Pate, Russ  Saunders, Ruth  Jones, Sonya  Bottai, Matteo

total project dollars if available:

Fritz, Stacy
Improving Walking and Balance in Veterans with Traumatic Brain Injury - (11530-KA47) 25,000

Sponsor: SCRA/INTRuST PTSD and TBI Clinical Consortium
Co-PI: Baylis, Gordon  Baylis, Leslie

total project dollars if available:

Youngstedt, Shawn
Chronic Moderate Sleep Restriction in Older Long and Older Average Sleepers - (11530-FA72) 789,928

Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH
Co-PI: Hardin, James  Ginsberg, J

total project dollars if available: 3,701,538

Health Promotion, Education & Behavior
Cassady, Ann
GA: Sarah Moran - (11540-KP46) 7,000

Sponsor: SC Campaign to Prevent Teen Pregnancy
Co-PI: Watkins, Ken

total project dollars if available:

GA: Lesley Craft - (11540-KP47) 18,000

Sponsor: SC Campaign to Prevent Teen Pregnancy
Co-PI: Watkins, Ken

total project dollars if available:

GA: Amy Mattison Faye - (11540-KP48) 18,000

Sponsor: SC Campaign to Prevent Teen Pregnancy
Co-PI: Watkins, Ken

total project dollars if available:

Jones, Sonya
SC Farm-to-School Program and Children’s and Parent’s Food Choices - (11590-FA44) 5,000

Sponsor: Southern Rural Development Center/Mississippi State/USDA
Co-PI:

total project dollars if available:
### Health Services Policy and Management

**Byrd, Michael**

- **GA:** Chris Miller - (11550-LR63)
- **Sponsor:** Palmetto Health
- **Co-PI:**

  total project dollars if available: 6,500

- **GA:** Christopher Burke - (11550-LR64)
- **Sponsor:** Palmetto Health
- **Co-PI:**

  total project dollars if available: 4,500

- **GA:** Patricia Jordan - (11550-LR65)
- **Sponsor:** Palmetto Health
- **Co-PI:**

  total project dollars if available: 2,000

- **GA:** Cora McPherson - (11550-LR66)
- **Sponsor:** Palmetto Health Richland
- **Co-PI:**

  total project dollars if available: 4,400

### Social Work, College of

**Families in Society, Institute for**

**Mayfield-Smith, Kathy**

- **CHIPRA Subcontract No. 6816S02223 by and between Mathematica Policy Research, Inc. and the University of SC - (10010-FA52)**
- **Sponsor:** Mathematica Policy Research, Inc./HHS
- **Co-PI:** Lopez-DeFede, Ana

  total project dollars if available: 15,000

**Technical Assistance and Data Analytical Support in the Implementation of the CMS Center for Innovation: State Demonstration to Integrate Care for Dual Eligible Individuals Strategic Planning Grant - (10010-FA53)**

- **Sponsor:** SC Department of Health & Human Services/HHS
- **Co-PI:** Lopez-DeFede, Ana

  total project dollars if available: 473,466
Social Work, College of
Ward, James

GA: Robin Wyatt - (15900-HP21) 3,000
  Sponsor: Charleston County School District
  Co-PI:
  total project dollars if available:

GA: Ligaya Lowe - (15900-HP22) 3,000
  Sponsor: Charleson County School District
  Co-PI:
  total project dollars if available:

GA: Pronda Brown - (15900-HP23) 3,000
  Sponsor: Charleston County School District
  Co-PI:
  total project dollars if available:

GA: Elaine Sosebee - (15900-KR87) 2,426
  Sponsor: Reconnecting Coalition
  Co-PI:
  total project dollars if available:

GA: Priscilla Brooks - (15900-KR88) 2,426
  Sponsor: Hospice Cleveland County
  Co-PI:
  total project dollars if available:

GA: Ebony Presha - (15900-KR89) 2,412
  Sponsor: St. James AME Church
  Co-PI:
  total project dollars if available:

GA: Kenya Burke - (15900-LP74) 2,412
  Sponsor: LCSW Health Associates, PLLC
  Co-PI:
  total project dollars if available:
USC Aiken

Leaver, Echo

USCA Cognitive Neuroscience Learning Community - (17110-FA37) 10,000

Sponsor: University of Wisconsin-Stout/NSF
Co-PI:

total project dollars if available:

USC Beaufort

Warren, Alan

Town of Bluffton Water Quality Laboratory (2011-2012) - (17210-HL01) 110,000

Sponsor: Town of Bluffton, SC
Co-PI:

total project dollars if available:

USC Salkehatchie

Carmichael, Ann

Educational Preparation of Minority Disavantaged Students 78,500
Participating in the USC Salkehatchie Rural Nursing Partnership Program - (17660-KJ02)

Sponsor: Allendale County Hospital/The Duke Endowment
Co-PI:

total project dollars if available:

USC Upstate

Merriweather, Helen

Friday Future's Academy: A Pilot Project - (17880-KL18) 31,867

Sponsor: AdvanceSC
Co-PI:

total project dollars if available:
Pae, Holly

Project CREATE 2011 - (17880-FJ33) 35,670

Sponsor: SC Department of Education/USDE
Co-PI:

total project dollars if available:

Report Total: $9,311,349