Arnold School of Public Health

Environmental Health Sciences
Chanda, Anindya
Retrospective Assessment of Microbial Infections in Traumatic Spinal Cord Injured (TSCI) Population - ( 11510-GA01 )

Sponsor: SC Spinal Cord Injury Research Fund/MUSC

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Health Prom., Educ. & Behavior

Moore, Douglas
Resilience and cellular health among South Carolina women: Dopsychosocial factors protect against the adverse impact of stress on cellular aging processes? - ( 11540-KA69 )

Sponsor: Greenville Health System (GHS) Health Sciences Center

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Thrasher, James
Pilot Award: Cross-validation of auction modalities to assess demand for emerging nicotine products - ( 11540-FA93 )

Sponsor: University of Waterloo/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

College of Arts and Sciences

Archaeology & Anthropology
Smith, Steven
Stark Farms Metal Detecting Survey 2018 - ( 21300-LA08 )

Sponsor: The Chickasaw Nation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1
Baruch Institute
Miller, Gwen

Estimating Above Ground Biomass Utilizing Planet Multispectral Satellite Data - (21600-KA92) 1,200

Sponsor: Slocum-Lunz Foundation
Co-PI: Miller, Gwen

AWARD_PROJECT_AMT. IF AVAILABLE: 1

PROJECT_YEARS: 1

Biological Sciences
Patel, Priyanka

Manipulation of the local translation of Rho GTPases in axons to support axon regeneration - (13010-KJ03) 145,200

Sponsor: Wings For Life - Spinal Cord Research Foundation Inc.
Co-PI: Patel, Priyanka

AWARD_PROJECT_AMT. IF AVAILABLE: 3

PROJECT_YEARS: 3

Patel, Rekha

Dysregulation of the PACT-mediated crosstalk between protein kinases PKR and PERK contributes to dystonia 16 (DYT16) - (13010-FC65) 292,705

Sponsor: US Army Med Research ACQ Activity/DOD
Co-PI: Patel, Rekha

AWARD_PROJECT_AMT. IF AVAILABLE: 2

PROJECT_YEARS: 2

Chemistry & Biochemistry
Tang, Chuanbing

ACS PROJECT SEED 2018 - Summer 2 - (13020-KB09) 10,000

Sponsor: American Chemical Society (ACS)
Co-PI: Tang, Chuanbing

AWARD_PROJECT_AMT. IF AVAILABLE: 1

PROJECT_YEARS: 1

zur Loye, Hans-Conrad

New Lanthanide-Containing Silicate Floride Scintillators for Radiation Detection - (13020-FD09) 499,773

Sponsor: National Science Foundation (NSF)
Co-PI: zur Loye, Hans-Conrad

AWARD_PROJECT_AMT. IF AVAILABLE: 3

PROJECT_YEARS: 3
Office of Research  
IT and Data Management Office  
April, 2018   New Awards

**Earth & Ocean Sciences**

Lang, Susan  
*Modifications to Large Volume Sampler for improved hydrothermal fluid sampling* - (21610-KA00) 17,920

*Sponsor:* Marine Biological Laboratory/Alfred P. Sloan Foundation  
*Co-PI:*  

**Geography**

Cutter, Susan  
*Collaboration with Chr. Michelsen Institute, Norway: Creating a political and social climate for climate change adaptation* - (13540-LL00) 32,815

*Sponsor:* Chr. Michelsen Institute/National Research Council of Norway  
*Co-PI:*  

**Mathematics**

Thorne, Frank  
*Simons Fellowship: Analytic Number Theory and Arithmetic Statistics* - (13060-KA14) 52,838

*Sponsor:* Simons Foundation  
*Co-PI:*  

**Statistics**

Edwards, Donald  
*Improving Accuracy and Reliability in Cancer Screening Tests* - (13080-FA36) 22,875

*Sponsor:* Trustees of Boston University/NIH  
*Co-PI:*  

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Page 3
College of Education

*Educational Studies*

**Kunz, Gina**

*School Psychology Specialization in Toddlers with Autism Spectrum Disorders - (15200-FJ02)*

**Sponsor:** University of Nebraska Lincoln/USDE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 44,200  
PROJECT_YEARS: 1

*Building Bridges Through Relationships (Building Bridges: A High School Dropout Prevention Program) - (15200-KA00)*

**Sponsor:** University of Nebraska - Lincoln/Woods Charitable Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT_YEARS: 1

College of Engineering & Comp.

*Chemical Engineering*

**Ritter, James**

*MFES for High throughput Modular Process Intensified Gas Separation and Ion Exchange (Matching funds for 15510-18-48593) - (15510-GQ00)*

**Sponsor:** Clemson/Department of Commerce

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT_YEARS: 1

**Shimpalee, Sirivatch**

*Numerical simulation of multiphase behaviour in state of the art alkaline water electrolyzer - (15510-LA04)*

**Sponsor:** Korean Institute of Energy Research (KIER)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT_YEARS: 3
Weidner, John

*High Performance Li-S Batteries* - (15510-GA26)  
**Sponsor:** Clemson SC EPSCoR  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:** 70,000  
**PROJECT_YEARS:** 2  

Civil & Environmental Eng.

Viparelli, Enrica

*Development of ALGE code* - (15520-FB57)  
**Sponsor:** Savannah River National Laboratory/DOE  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 1  

Computer Science & Engineering

Bakos, Jason

*Data Analysis, Computer Vision, and Machine Learning for Plutonium Canister Corrosion Surveillance* - (15590-FB35)  
**Sponsor:** Savannah River National Laboratory/DOE  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 1  

Yan, Yonghong

*NSF CCF-1551182 SHF: Small Collaborative Research: Application-aware Energy Modeling and Power Management for Parallel and High Performance Computing (Project Transfer from Oakland University to University of South Carolina)* - (15590-FB36)  
**Sponsor:** National Science Foundation (NSF)  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 1  

*CAREER: Programming the Existing and Emerging Memory Systems for Extreme-scale Parallel Performance (Project Transfer from Oakland University to SC)* - (15590-FB38)  
**Sponsor:** National Science Foundation (NSF)  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:** 582,770  
**PROJECT_YEARS:** 5
### Mechanical Engineering

**Harik, Ramy**  
*Research Scientist in Automated Fiber Placement and Associate Technologies* - (15540-FD74)  

**Sponsor:** National Institute of Aerospace Associates (NIA)/NASA  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 1  
**AMOUNT:** 124,621

### Darla Moore School of Business

**Moore Sch - Div. of Research**

**Von Nessen, Joseph**  
*BlueCross BlueShield of South Carolina - Economic Impact Analysis* - (21200-JA34)  

**Sponsor:** BlueCross BlueShield of S.C.  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 1  
**AMOUNT:** 49,250

### Div. of Information Technology

**Office of CIO**

**Torkian, Behzad**  
*Data Analysis, Computer Vision, and Machine Learning for Plutonium Canister Corrosion Surveillance* - (65100-FA00)  

**Sponsor:** Savannah River National Laboratory/DOE  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 1  
**AMOUNT:** 21,975

### International Programs

**English for Internationals**

**Curtis, Wesley**  
*Study of U.S. Institutes for Student Leaders from Europe Institute in Civic Engagement* - (25300-FJ07)  

**Sponsor:** FHI 360/US Department of State  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 1  
**AMOUNT:** 143,134
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<td><strong>Firehouse First Responders Grant Proposal - ( 66000-KQ00 )</strong></td>
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<td><strong>Ahuja, Divya</strong></td>
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<td><strong>AETC National Coordinating Resource Center- Hepatitis C - ( 18190-FJ44 )</strong></td>
<td><strong>25,000</strong></td>
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<td><strong>Sponsor:</strong> Vanderbilt University Medical Center/Rutgers/HRSA</td>
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<td><strong>Brown, Daniel</strong></td>
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<td><strong>Randomized, Double-Blind, Phase 3B Trial to Evaluate the Safety and Efficacy of 2 Treatment Regimens of Aztreonam 75 mg Powder and Solvent for Nebulizer Solution / Aztreonam for Inhalation Solution (AZLI) in Pediatric Subjects with Cystic Fibrosis (CF) an</strong></td>
<td><strong>8,300</strong></td>
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<td><strong>Joint Hypermobility and Hypermobile Spectrum Disorders in Mothers of Children with Autism and ADHD - ( 16000-KA04 )</strong></td>
<td><strong>6,800</strong></td>
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<td><strong>Sponsor:</strong> Autism Research Institute</td>
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University Libraries

Univ Libraries - Dean's Office
Gettys, Rebecca

- Shared Statewide Library Storage and Services Proposal - (30000-KA05) 56,500

  Sponsor: The Andrew W. Mellon Foundation
  Co-PI:

  AWARD_PROJECT_AMT. IF AVAILABLE:
  PROJECT_YEARS: 1

University of SC Beaufort

Beaufort - Academic Affairs
Montie, Eric

- Infrastructure to Monitor the Impacts of Water Quality and Climate Change on Our Local Natural Resources - (17210-KA21) 63,775

  Sponsor: Community Foundation of the Lowcountry
  Co-PI:

  AWARD_PROJECT_AMT. IF AVAILABLE:
  PROJECT_YEARS: 1

Report Total: $2,377,638