Arts and Sciences, College of

**Anthropology**

Buxhoeveden, Daniel

*A Multilevel Analysis of Frontal Lobe Microstructure in Autism* 13590-KA06

*Sponsor:* University of California San Diego/Cure Autism Now Foundation

*Co-PI:*

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**Archeology & Anthropology, SC Institute of**

Brooks, Mark

*Cultural Resource Management on the SRS* - 21300-F110

*Sponsor:* US Department of Energy (DOE)

*Co-PI:*

Smith, Steven

*Archaeological Services At Musgrove's Mill, South Carolina* - 21300-GA13

*Sponsor:* SC Department of Parks, Recreation & Tourism

*Co-PI:*

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**Baruch Institute**

Miller, Anne

*CORE Support of SC-GA Regional National Ocean Sciences Bowl Competition* - 21600-FL05

*Sponsor:* Consortium for Oceanographic Research and Education (CORE)/NOAA

*Co-PI:*

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**Biological Sciences**

Morris, James

*Strategic Environmental Research and Development Program* - 21600-FB25

*Sponsor:* RTI International/DOD

*Co-PI:*

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Woodin, Sarah

*Real Time Measurements of Sediment Modification by Large Macrofauna* - 13010-FB03

*Sponsor:* Office of Naval Research (ONR)/DOD

*Co-PI:*
Chemistry & Biochemistry

Chen, Donna

In-Situ Studies of the Decomposition of Simulated Chemical Warfare Agents on Nanoparticle Catalysis  -  13020-FA82

Sponsor: Army Research Office (ARO)/DOD
Co-PI:

Dawson, John

Editing: Journal of Inorganic Biochemistry  -  13020-J400

Sponsor: Elsevier Science, Inc.
Co-PI:

Ferguson, P.

Alternative Aircraft and Airfield Deicing and Anti-Icing Formulations with Reduced Aquatic Toxicity and Biological Oxygen Demand  -  13020-FB17

Sponsor: Transportation Research Board/National Academy of Sciences
Co-PI:

Murphy, Catherine

Journal of Physical Chemistry Editorship  -  13020-KL00

Sponsor: American Chemical Society
Co-PI:

Scrivens, Walter

Synthesis and Optimization of Polybromostyrene Stationary Phases for Chromatographic Separation of Endohedral Fullerenes  -  13020-FB18

Sponsor: Luna Innovations, Inc./USAF/DOD
Co-PI:

Wang, Qian

MURI: Bio-Directed Hierarchical Assembly of Multifunctional Materials  -  13020-FA68

Sponsor: University of Massachusetts/ARO
Co-PI:

Earth Sciences & Resources Institute

Kloot, Robin

Clemson Soil Test Data Repository-Training and Technical Support  -  24400-GJ00

Sponsor: Clemson University
Co-PI:
Geological Sciences
Voulgaris, George
Collaborative Research: Shelf Circulation, Wave Propagation And Sediment Transport In Long Bay, SC: Measurements & Modeling - year 7 - 13040-FB28 60,999
  Sponsor: SC Sea Grant Consortium/USGS/DOI
  Co-PI:

Yankovsky, Alexander
SGER: Transient Shelf Response to the Hurricane Wilma's Impact - 13040-FB24 1,380
  Sponsor: National Science Foundation (NSF)
  Co-PI:

Mathematics
DeVore, Ronald
Analysis and Numerical Algorithms for Data Processing and Fast Solution of PDEs - 13060-FA07 50,000
  Sponsor: Office of Naval Research (ONR)/DOD
  Co-PI:

Nonlinear Methods for Supervised Learning: Defense Applications - State Match (Year 2) for 13060-FA24 - 13060-GA06 81,400
  Sponsor: SC EPSCoR Program
  Co-PI:

Naval Science
Gordon, William
NROTC Educational Instruction Calculus and Physics - 13560-FJ09 3,000
  Sponsor: US Navy/DOD
  Co-PI:

Political Science
Tyer, Charlie
GA: Seth Duncan - 13570-GP09 6,552
  Sponsor: SC Energy Office
  Co-PI:

GA: City of Columbia - 13570-HP09 6,471
  Sponsor: City of Columbia
  Co-PI:
<table>
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<tr>
<th><strong>Psychology</strong></th>
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<tr>
<td><strong>Kelly, Sandra</strong></td>
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<tr>
<td><em>Alcohol Exposure, Social Behavior and Development</em> - 13580-FA43</td>
<td>307,827</td>
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<td><strong>Sponsor:</strong> National Institute on Alcohol Abuse &amp; Alcoholism (NIAAA)/NIH</td>
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<td><strong>Shapiro, Cheri</strong></td>
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<td><em>Natural Experiment in Deviant Peer Exposure and Youth Recidivism</em> - 13580-FA46</td>
<td>58,200</td>
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<td><strong>Sponsor:</strong> National Institutes of Health (NIH)</td>
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<td><strong>Co-PI:</strong></td>
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<td><strong>Wilson, Dawn</strong></td>
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<td><em>Research Supplement to Promote Diversity in Health-Related Research (Minority Supplement)</em> - 13580-FA51</td>
<td>21,958</td>
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<td><strong>Sponsor:</strong> National Institute of Child Health &amp; Human Development (NICHD)/NIH</td>
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<td><strong>Co-PI:</strong></td>
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<th><strong>Public Service &amp; Policy Research, Institute for</strong></th>
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<tr>
<td><strong>Oldendick, Robert</strong></td>
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<td><em>Performance of Evaluation Research Activities for the Advanced Performance Outcome Measures Project</em> - 21100-FL19</td>
<td>20,650</td>
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<td><strong>Sponsor:</strong> SC Office of the Lieutenant Governor Office on Aging/HHS</td>
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<td><em>HSP Free to Grow</em> - 21100-KL10</td>
<td>12,870</td>
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<td><strong>Sponsor:</strong> Wake Forest University/Robert Wood Johnson Foundation</td>
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<td><strong>Co-PI:</strong></td>
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Sponsored Awards Management (SAM)

November, 2006  New Awards

Business, Moore School of

Small Business Development Center
Lenti, John

Procurement Technical Assistance Program For Business Firms - 21250-FL32
Sponsor: Defense Logistics Agency/DOD
Co-PI:

Procurement Technical Assistance Program For Business Firms - 21250-FL33
Sponsor: Defense Logistics Agency/DOD
Co-PI:

SBDC 2007 - State Director’s Office - 21250-FL34
Sponsor: US Small Business Administration (SBA)
Co-PI:

SBDC 2007 - USC - 21250-FL35
Sponsor: US Small Business Administration (SBA)
Co-PI:

Education, College of

Education
Gredler, Margaret

Evaluation of the Special Education State Improvement Grant Implementation - 15290-FA01
Sponsor: SC Department of Education/USDE
Co-PI:

Hudgins, James
The South Carolina Technical College Leadership Academy - 15230-GL08
Sponsor: SC State Board of Technical and Comprehensive Education
Co-PI:

Educational Studies, Department of
Brown, William

Technical Assistance Project for South Carolina Personnel Who Work with Preschool Children with Developmental Delays - 15240-FJ08
Sponsor: SC Department of Education/USDE
Co-PI:
Christie, Christine  
*Personnel Development Collaboration: Training and Recruiting Special Education Teachers to Coach Student Teachers* - 15240-FJ09  
**Sponsor:** SC Department of Education/USDE  
**Co-PI:**

**Instruction & Teacher Education**

Virtue, David  
*Relationship Between the Implementation of Interdisciplinary Teaming in Middle Schools and Levels of Student and Teacher Satisfaction with School Learning Environments* - 15250-GA00  
**Sponsor:** College of Charleston/SC Education Oversight Committee  
**Co-PI:**

**Engineering & Information Technology, College of**

**Chemical Engineering**  
Amiridis, Michael  
*Research Infrastructure Improvement - State Match Year 2* - 15510-GA07  
**Sponsor:** SC EPSCoR Program  
**Co-PI:**

Popov, Branko  
*Novel Non-Precious Metal Catalyst for PEMFC: Catalyst Selection Through Molecular Modeling and Durability Studies* - 15510-FA44  
**Sponsor:** US Department of Energy (DOE)  
**Co-PI:**

**Civil & Environmental Engineering**

Rizos, Dimitris  
*Vanadium Steel Non-Standard (not a standard military bridge set) Fixed Bridge Case Study Proposal* - 15520-FA36  
**Sponsor:** Advanced Technology Institute/DOD  
**Co-PI:**
Sponsored Awards Management (SAM)

November, 2006   New Awards

**Electrical Engineering**

Sudarshan, Tangali

*Halocarbon Etching Surface Preparation (Etching) of Silicon Carbide*  -  15530-FA56  
**Sponsor:** Office of Naval Research (ONR)/DOD  
**Co-PI:**

*Epitaxial SiC on Convex Surfaces*  -  15530-FA57  
**Sponsor:** Office of Naval Research (ONR)/DOD  
**Co-PI:**

**Mechanical Engineering**

Bayoumi, Abdel

*National Academy for Nuclear Training - Fellowship*  -  15540-KA12  
**Sponsor:** National Academy for Nuclear Training  
**Co-PI:**

Knight, Travis

*Analysis of a Nuclear Powered Coupled MHD-MPD Propulsion System with Radiation Induced Ionization Enhanced MHD - STTR Phase I*  -  15540-FA77  
**Sponsor:** New Era Technology, Inc/US Air Force  
**Co-PI:**

*Analysis and Development of A Robust Fuel for Gas-Cooled Fast Reactors - State Matching Funds for 15540-FA64 - 15540-GA12*  
**Sponsor:** SC EPSCoR Program  
**Co-PI:**

Reynolds, Anthony

*Damage Tolerance of Built-up FSW Aluminum Aerospace Structures*  -  15540-JA19  
**Sponsor:** Boeing Corporation  
**Co-PI:**

*Exploratory Study of Additive Manufacturing by Friction Deposition*  -  15540-JA32  
**Sponsor:** Spirit Aerosystems, Inc.  
**Co-PI:**

Sutton, Michael

*Dynamic Characterization of Advanced Material Systems - State Matching Funds for 15540-FA71 - 15540-GA11*  
**Sponsor:** SC EPSCoR Program  
**Co-PI:**
Sponsored Awards Management (SAM)
November, 2006  New Awards

**Medicine, School of**

**Cell & Developmental Biology & Anatomy**
Blake, Charles

*Estrogen, Gene Expression, and Gonadal Development*  -  18020-FA43  109,809

**Sponsor:** Benedict College/NICHD/NIH/HHS
**Co-PI:**

Lavoie, Holly

*Role of Estrogen in Luteal Function*  -  18020-FA44  97,301

**Sponsor:** Benedict College/NICHD/NIH/HHS
**Co-PI:**

**Internal Medicine**
Ahuja, Divya

*South Carolina HIV/AIDS Clinical Training Center*  -  18190-FJ03  14,815

**Sponsor:** Emory University/HRSA/HHS
**Co-PI:**

Bryan, Charles

*Center for Bioethics*  -  21100-L102  80,000

**Sponsor:** USC School of Medicine Educ. Trust/PHA
**Co-PI:**

Duffus, Wayne

*Abbot RealTime CT/NG Specimen Collection*

**Protocol No.:** 9JT-02-04S03-01  -  18190-JA31  4,000

**Sponsor:** Abbott Molecular, Inc.
**Co-PI:**

Eleazer, Paul

*SC Consortium for Cardiovascular Disease and Stroke*  -  18190-LA00  7,500

**Sponsor:** Palmetto Health Alliance
**Co-PI:**

Horvath, Joseph

*Protocol AI424128: A Phase IV, Multi-center, Cross-sectional Study to Evaluate the I50L Substitution among Subjects Experiencing Virologic Failure on a HAART Regimen Containing Atazanavir (ATV).*  -  18190-JA28  4,200

**Sponsor:** Bristol-Myers Squibb Company/PPD Development, LP
**Co-PI:**
Sponsored Awards Management (SAM)
November, 2006   New Awards

**Neuropsychiatry**
Edwards, Yolanda

*Long Term Training Grant in Job Development and Placement* - 18120-FJ01  
**Sponsor:** US Department of Education (USDE)  
**Co-PI:**

**Pharmacology, Physiology & Neuroscience**
McDonald, Alexander

*Functional Neuroanatomy of the Basolateral Amygdala* - 18080-FA09  
**Sponsor:** Emory University/NIH  
**Co-PI:**

**Public Health, Arnold School of**

**Epidemiology & Biostatistics**
Hebert, James

*Methods for Improved Diet and Exercise Measurement* - 22080-FA06  
**Sponsor:** Oregon Research Institute/NIH  
**Co-PI:**

**Exercise Science**
Durstine, J. Larry

GA: Gary Flowers - 11530-LP01  
**Sponsor:** Lexington Medical Center (Health Directions)  
**Co-PI:**

**Health Promotion, Education & Behavior**
Cassady, Ann

GA: Jenilee Hlavenka - 11540-LP30  
**Sponsor:** Palmetto Health Office of Community Services  
**Co-PI:**

Saunders, Ruth

*ENRICH: Duke Endowment Wellness Project* - 11540-KA07  
**Sponsor:** The Duke Endowment  
**Co-PI:**
### Health Services Policy and Management

**Laditka, Sarah**

- **GA:** Matthew Landreth - 11550-FP06
- **Sponsor:** WJB Dorn VA Medical Center | **Co-PI:**

- **GA:** Sarah Dickie - 11550-JP62
- **Sponsor:** Lutheran Homes of South Carolina, Inc. | **Co-PI:**

### Social Work, College of

**Social Work, College of**

**Bond, Pamela**

- **DHEC HABLA Language Assistance Program - 15900-GL04**
- **Sponsor:** SC Department of Health & Environmental Control (DHEC) | **Co-PI:**

**Derrick, Christina (Christy)**

- **Training Evaluation of the Stewards of Children Child Sexual Abuse Prevention Training - 15900-KL13**
- **Sponsor:** Darkness to Light Corporation | **Co-PI:**

**Rodi, Michael**

- **Evaluating OASIS for Sustainability - 15900-FL32**
- **Sponsor:** SC Department of Mental Health/HHS | **Co-PI:**

### USC Beaufort

**USC Beaufort**

**Webb, Donna**

- **USC Beaufort Higher Education Awareness Program - 17220-GL10**
- **Sponsor:** SC Commission on Higher Education | **Co-PI:**
USC Salkehatchie

**USC Salkehatchie**

Brewer, Jane  

**HEAP 2006-2007 - 17660-GL07**  

*Sponsor:* SC Commission on Higher Education  
*Co-PI:*  

3,718

USC Upstate

**USC Upstate**

Davison, Frieda  

**National Endowment for the Humanities Challenge Grant Income - 17880-K411**  

*Sponsor:* Carolina Piedmont Foundation  
*Co-PI:*  

14,434

Turner, Jack  

**Watershed Ecology Center Education Program - 17880-KL00**  

*Sponsor:* Carolina Piedmont Foundation  
*Co-PI:*  

20,000

Report Total: $4,512,755