### Arts and Sciences, College of

#### Anthropology & Archaeology, SC Institute of

**Cobb, Charles**

*Purchase of State-of-the Art Sub-bottom Profiling Equipment* - 21300-FQ01  
**Sponsor:** SC EPSCoR/NSF  
**Co-PI:** Amer, Christopher  
White, Scott  
41,600

**Dawson, Audrey**

*Survey of the Proposed Florence/Darlington Technical College (FDTC) FMS Site* - 21300-FA54  
**Sponsor:** SC Army National Guard/DOD  
**Co-PI:**  
5,889

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### Baruch Institute

**Porter, Dwayne**

*The Implementation of Low Impact Development Practices for Coastal South Carolina: The Oak Terrace Preserve Research Project* - 21600-FB65  
**Sponsor:** SC Sea Grant Consortium/NOAA  
**Co-PI:**  
72,535

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### Biological Sciences

**Ely, Berten**

*REU Site: Undergraduate Research in Integrative Evolutionary Biology* - 13010-FA89  
**Sponsor:** National Science Foundation (NSF)  
**Co-PI:** Hughes, Austin  
98,914

**Stratmann, Johannes**

*Role of the COP9 Signalosome and its Subunit CSN5 for Regulation of MAPK Pathways and Defense Responses in Tomato.* - 13010-FB40  
**Sponsor:** National Science Foundation (NSF)  
**Co-PI:**  
150,000

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### Tufford, Daniel

*Lake Wateree Water Quality Data Acquisition and Analysis* - 13010-KA41  
**Sponsor:** Lake Wateree Association  
**Co-PI:** Tufford, Daniel  
2,940

*Assessing the Impact of Salt-Water Intrusion in the Carolinas under Future Climatic and Sea-Level Conditions* - 21600-FB64  
**Sponsor:** SC Sea Grant Consortium/NOAA  
**Co-PI:**  
46,890
Sponsored Awards Management (SAM)  
February, 2009  New Awards

Chemistry & Biochemistry
Murphy, Catherine
  Journal of Physical Chemistry Editorship  -  13020-KL00  
  Sponsor: American Chemical Society
  Co-PI:
  
zur Loye, Hans-Conrad
  SCUREF: SC0230 Amide/Borohydride Structural Analysis  -  13020-FB62
  Sponsor: SCUREF/WSRC/DOE
  Co-PI:

Earth Sciences & Resources Institute
Kloot, Robin
  Lake Wateree Water Quality Data Acquisition and Analysis  -  24400-KA08
  Sponsor: Lake Wateree Association
  Co-PI: Tufford, Daniel

Shafer, John
  Aquifer Dewatering Operational Assessment at the Holcim, Inc. Quarry at Holly Hill, South Carolina  -  24400-JA16
  Sponsor: Holcim USA, Inc.
  Co-PI:

Environment, School of the
Coull, Bruce
  South Carolina Lowcountry Initiative of the Center for Humans and Nature Supplemental Funding  -  10060-KL04
  Sponsor: Center for Humans and Nature
  Co-PI:

Geological Sciences
Benitez-Nelson, Claudia
  Persistence and Fate of Domoic Acid in the Santa Barbara Basin  -  13040-FB60
  Sponsor: National Science Foundation(NSF)
  Co-PI:

Owens, Thomas
  Cooperative Mid-America Integrated Seismic Network-USC  -  13040-FL00
  Sponsor: US Geological Survey (USGS)/DOI
  Co-PI:
Yogodzinski, Gene
Upgrade of Electron Microprobe Facilities for Geological and Materials Research at the University of South Carolina - 13040-FB61

**Sponsor:** National Science Foundation (NSF)

**Co-PI:** Bizimis, Michael  Barbeau, David  Zhao, Donggao

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**Mathematics**

DeVore, Ronald
Model Classes, Approximation, and Metrics for Dynamic Processing of Urban Terrain Data - 13060-FA35

**Sponsor:** US Army Reasearch Office (ARO)

**Co-PI:** Sharpley, Robert  Binev, Peter

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Vraciu, Adela
Closure Operations in Positive Characteristic - 13060-FA58

**Sponsor:** National Security Agency(NSA)

**Co-PI:**

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**Political Science**

Tyer, Charlie
GA: James Broom - 13570-HP24

**Sponsor:** Municipal Association of SC

**Co-PI:**

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**Psychology**

Kelly, Sandra
Alcohol Exposure, Social Behavior and Development - 13580-FA43

**Sponsor:** National Institute on Alcohol Abuse & Alcoholism (NIAAA)/NIH

**Co-PI:**

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Roberts, Jane
Molecular-Clinical Correlates in Fragile X Syndrome - 13580-KA58

**Sponsor:** National Fragile X Foundation

**Co-PI:**

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**Public Service & Policy Research, Institute for**

Oldendick, Robert
Conducting a Statewide Child Care Market Rate Survey, Collecting and Analyzing Survey Data - 21100-FL29

**Sponsor:** SC Department of Social Services/HHS

**Co-PI:**
Tomes, William

Selection Procedure Development, Administration and Scoring for the City of Columbia Fire Department-2009 Promotions - 21100-HL04

Sponsor: City of Columbia

Co-PI:

Business, Moore School of

Business, Moore School of - Division of Research

McInnes, Melayne

Doctoral Dissertation Research: The Influence of Birth Order on Risk Attitudes and Behaviors - 21200-FA18

Sponsor: National Science Foundation (NSF)

Co-PI: Morgan, Erica

Woodward, Douglas

The Economic Impact of SPAWAR - 21200-GA12

Sponsor: SC Research Authority (SCRA)

Co-PI:

Education, College of

Office of Program Evaluation

Yap, Ching Ching


Sponsor: SC School Districts/SCDE

Co-PI:

Engineering & Computing, College of

Chemical Engineering

Ploehn, Harry

Energy Storage and Dissipation Mechanisms in Elastomeric Polymer Nanocomposites - 15510-JA80

Sponsor: Michelin North America, Inc.

Co-PI: zur Loye, Hans-Conrad Sandberg, William
Van Zee, John
Collaborative Research: Center for Fuel Cells: a Multi-University I/UCRC - 15510-FB44

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

I/UCRC Fuel Cell Center - Operating Account - 15510-JA11

Sponsor: Various Sponsors
Co-PI: Amiridis, Michael

Weidner, John

Sponsor: E.ON AG
Co-PI:

White, Ralph
Optimal Design of Compact Fuel Cell Hybrid Power Systems (STTR - Phase II) - 15510-FB26

Sponsor: IDV (Interactive Data Visualization, Inc.)/US Army
Co-PI: Gatzke, Edward Santi, Enrico

Civil & Environmental Engineering
Ziehl, Paul
Self Powered Wireless Sensor Network for Structural Bridge Health Prognosis - 15520-FA67

Sponsor: Physical Acoustics/NIST
Co-PI: Giurgiutiu, Victor Caicedo, Juan Huynh, Nathan Gassman, Sarah

Computer Science & Engineering
Eastman, Caroline
USC Participation in STARS Alliance for Broadening Participation in Computing - 15590-FA45

Sponsor: University of North Carolina at Charlotte/NSF
Co-PI: Bowles, John
Electrical Engineering

Khan, Asif

OSRAM Sylvania AlGaN Development - 15530-JA16

Sponsor: OSRAM SYLVANIA, Inc.
Co-PI:

Monti, Antonello

Frequency-Agile Wide-Bandwidth Power Interface to Support Incremental Virtual Prototyping - 15530-FA63

Sponsor: Office of Naval Research (ONR)/DOD
Co-PI: Simin, Grigory  Santi, Enrico  Bakos, Jason

Simin, Grigory

High Performance Integrated Insulated-Gate III-Nitride RF Switches - 15530-FA84

Sponsor: Rensselaer Polytechnic Institute/ONR
Co-PI:

Mechanical Engineering

Chen, Fanglin

Nanocrystalline Ceramics Synthesis and Characterization - 15540-FB16

Sponsor: SC Universities Research and Education Foundation (SCUREF)/Savannah River National Laboratory/DOE
Co-PI:

Li, Xiaodong

Nanoscale Deformation and Toughening Mechanisms of Nacre - 15540-FA86

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

Understanding and Preventing Nanocarpet Effect - 15540-FB05

Sponsor: University of Georgia/NSF
Co-PI:

SC Alliance for Minority Participation (SCAMP)

Perkins, Michael

SCAMP State Matching Funds for 15580-FA04 (Year 2) - 15580-GA17

Sponsor: SC State University
Co-PI:
Honors College, South Carolina

Honors College, South Carolina
Tanner, Patsy

Center One at Fort Jackson - 12010-FA04 50,000

Sponsor: Fort Jackson/US Army/DOD
Co-PI:

Hospitality, Retail & Sport Management, College of

Hotel, Restaurant & Tourism Administration
Harrill, Richard

Salkehatchie Lures Marketing Plan - 14050-FL01 20,000

Sponsor: Western Carolina Commission for Higher Education/USDA
Co-PI: Carpenter, Jason

Law, School of

Children’s Law Center
Morris, Carolyn

Operation of the Children’s Law Center - 15810-FL12 136,606

Sponsor: SC Department of Social Services/HHS
Co-PI:

Support of Children’s Justice Act Task Force - 15810-FL13 60,095

Sponsor: SC Department of Social Services/HHS
Co-PI:

Mass Communications & Information Studies, College of

Journalism & Mass Communications, School of
Besley, John


Sponsor: National Science Foundation (NSF)
Co-PI:
Collins, Erik

GA: Jenna Powers-Dingus - 15600-KP10

Sponsor: South Carolina Press Association

Co-PI:

5,033

Covington, Randy

Municipal Association of SC - 15600-KJ04

Sponsor: Municipal Association of SC

Co-PI:

1,500

Cross Media Training for NATO - 15600-LJ01

Sponsor: Supreme Headquarters Allied Powers Europe/NATO

Co-PI:

20,000

Medicine, School of

Family & Preventive Medicine

Mann, Joshua

Genitourinary Infections During Pregnancy and Risk of Epilepsy, Autism, and ADHD - 18130-FA12

Sponsor: Health Resources and Services Administration(HRSA)/HHS

Co-PI:

91,450
Sponsored Awards Management (SAM)
February, 2009  New Awards

**Internal Medicine**

Albrecht, Helmut

**Ryan White HIV/AIDS Treatment Modernization Act - Part B (ADAP Insurance)** - 18190-FL57

**Sponsor:** SC Department of Health & Environmental Control (DHEC)/HRSA

**Co-PI:** Raley, Nancy

Ryan White HIV/AIDS Treatment Modernization Act - Part B (Base funds) - 18190-FL64

**Sponsor:** SC Department of Health & Environmental Control (DHEC)/HRSA

**Co-PI:** Raley, Nancy

Ryan White HIV/AIDS Treatment Modernization Act - Part B (Emerging Communities) - 18190-FL65

**Sponsor:** SC Department of Health & Environmental Control (DHEC)/HRSA

**Co-PI:** Raley, Nancy


**Sponsor:** SC Department of Health & Environmental Control (DHEC)/HRSA

**Co-PI:** Raley, Nancy

**Merck & Co., Inc. MK-0518 Protocol #055-00: A Phase III Open-Lab Single Arm Study to Evaluate the Safety, Tolerability, and Efficacy of MK-0518/Raltegravir in a Diverse Cohort of HIV-Infected Patients** - 18190-JA48

**Sponsor:** Merck & Company, Inc.

**Co-PI:**

**Duffus, Wayne**

**Missed Opportunity for Early HIV Diagnosis in Correctional and Reproductive Health Care Settings** - 18190-JA45

**Sponsor:** Gilead Pharmaceuticals

**Co-PI:** Albrecht, Helmut

**Owens, William**

**ACCESS: A Controlled Comparison of Eritoran Tetrasodium and Placebo in Patients with Severe Sepsis** - 18190-JA35

**Sponsor:** Eisai Medical Research, Inc.

**Co-PI:**

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Sponsored Awards Management (SAM)
February, 2009   New Awards

Parker, R David

_Housing Case Management for Persons with Disabilities_ - 18190-FL59 6,624

_Sponsor:_ The Healing Properties, Inc./HOPWA/HUD

_DHEC HOPWA Career Services Program_ - 18190-FL66 56,000

_Sponsor:_ SC Department of Health & Environmental Control (DHEC)/HUD

Co-PI: Albrecht, Helmut

__Neuropsychiatry__

Mrelashvili, Davit

_Gene Expression and Diagnosis of Autoimmune Disease_ - 18120-JA12 500

_Sponsor:_ Arthrochip, LLC

Pathology & Microbiology

Pirisi-Creek, Lucia

_Papillomavirus Conferences 2007-12_ - 18060-FA34 11,700

_Sponsor:_ National Cancer Institute (NCI)/NIH

Co-PI:

Ray, Swapan

_Differentiation and Apoptosis in Malignant Neuroblastoma_ - 18060-FA40 35,500

_Sponsor:_ National Institute of Neurological Disorders & Stroke (NINDS)/NIH

Co-PI:

__Pediatrics__

Schwartz, I. David

_The Genetics and Neuroendocrinology of Short Stature International Study_ - 18140-JA13 492

_Sponsor:_ Eli Lilly & Company

Co-PI:

Pharmacology, Physiology & Neuroscience

Mott, David

_Neuregulin Modulation of Synaptic Plasticity in Epilepsy_ - 18080-KA30 20,000

_Sponsor:_ Epilepsy Foundation

Co-PI:
Sponsored Awards Management (SAM)
February, 2009  New Awards

Sweitzer, Sarah

Developmental Regulation of Endothelin Pain - 18080-FA15

Sponsor: National Institute on Drug Abuse (NIDA)/NIH
Co-PI:

233,291

Nursing, College of

Nursing

Messias, DeAnne

Subcontract: ENLACE: A Partnership to Promote Physical Activity Among Mexican Immigrant Women - 11200-FA09

Sponsor: The University of Texas Health Sciences Center at San Antonio/NIH
Co-PI: Sharpe, Patricia

74,067

Pharmacy, SC College of

Clinical Pharmacy and Outcome Sciences

Bookstaver, Brandon

Bioactivity of Echinocandin Lock Solutions Against Non-albicans Candida Isolates - 11150-JA08

Sponsor: Astellas Pharma Global Development, Inc.
Co-PI: Tebbs, Joshua

23,404

Pharmaceutical and Biomedical Sciences

Mcinnes, Campbell

Development of PIM Inhibitors as Anti-cancer Agents - 11100-FA00

Sponsor: Medical University of South Carolina (MUSC)/NIH
Co-PI: Mcinnes, Campbell

25,000

Drug Design and Synthesis Core - 11100-FA01

Sponsor: Medical University of South Carolina (MUSC)/NIH
Co-PI:

25,000

Public Health, Arnold School of

Epidemiology & Biostatistics

Karmaus, Wilfried

Stress, Endocrine Disruption, and Adverse Pregnancy Outcomes - 11520-FA90

Sponsor: SC Research Authority (SCRA)/SC EPSCoR/NSF
Co-PI: Sabo-Attwood, Tara  Zhang, Hongmei  Gregg, Anthony

36,000
Liese, Angela
Spatial Epidemiology of Diabetes in the SEARCH for Diabetes in Youth Study - 11590-FA17
Sponsor: National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK)/NIH
Co-PI:

Exercise Science
Kostek, Matthew
MGS: A Drug Dosage Trial in MDX (muscular dystrophy) Mice - 11530-KA34
Sponsor: USC Research Foundation
Co-PI: Weed, Patricia

Pate, Russ
Partnerships with Title One Schools to Reduce Health Disparities - sub-contract with MUSC - 11530-KA33
Sponsor: MUSC/Duke Endowment
Co-PI:

Health Promotion, Education & Behavior
Brandt, Heather
Community Navigation for Colorectal Cancer Prevention and Control - 18300-KA32
Sponsor: The Duke Endowment
Co-PI: Adams, Swann  Annang, Lucy  Swan, Suzanne

Translating an Efficacious HPV Vaccine into the Control of Cervical Cancer - 22080-FA16
Sponsor: Medical University of South Carolina (MUSC)/NIH
Co-PI:

Thrasher, James
Sponsor: Roswell Park Cancer Institute
Co-PI: DiStefano, Christine

Health Services Policy and Management
Probst, Janice
GA: Kristen Schuller - 11550-JP98
Sponsor: BlueCross BlueShield of South Carolina
Co-PI:
Prevention Research Center

Hooker, Steven

**Impact of Physical Activity on Stroke and Cognitive Function in Older Adults** - 11570-FA82

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

**Co-PI:** Blair, Steven  Colabianchi, Natalie  Vena, John

Social Work, College of

Social Work, College of

Wolfer, Terry

**Maintaining Vital Connections Between Faith Communities and Their Organizations** - 15900-KA14

**Sponsor:** University of Baltimore/The Lilly Endowment, Inc.

**Co-PI:**

USC Aiken

USC Aiken

Martin, Deidre

**Edgewood - Stage of Southern History: A Documentary about the Pickens-Salley House** - 17110-FL40

**Sponsor:** The Humanities Council of SC/NEH

**Co-PI:**

**Edgewood - Stage of Southern History: A Documentary about the Pickens-Salley House** - 17110-FL41

**Sponsor:** The Humanities Council of SC/NEH

**Co-PI:**

USC Salkehatchie

USC Salkehatchie

Rice, Anne

**Strategic Tourism Plan for the Salkehatchie Region** - 17660-FL23

**Sponsor:** Western Carolina Higher Education Commission/USDA

**Co-PI:**
USC Sumter

USC Sumter
Ross, Michelle
2nd Annual Jack Doyle Storytelling Festival - 17440-HL08

Sponsor: Sumter County Cultural Commission
Co-PI: Reese, Michele

Report Total: $10,010,013