

**Office of Research
IT and Data Management Office**

December, 2017 Awards

Arts and Sciences, College of

Archaeology & Anthropology, SC Institute of

Stephenson, Donald

South Carolina Institute of Archaeology and Anthropology 122,822
Cooperative Agreement: DE-EM0002875
Savannah River Archaeological Research Program - 21300-FA84

Sponsor: US Department of Energy (DOE)

Co-PI:

Baruch Institute

Morris, James

Optimization of Marsh Restoration for Storm Surge Abatement and Sea Level Rise - 27,416
21600-FC35

Sponsor: US Fish & Wildlife Service/DOI

Co-PI:

Chemistry & Biochemistry

Adams, Richard

Journal of Organometallic Chemistry - 13020-J401 6,000

Sponsor: Elsevier Science, Inc.

Co-PI:

Murphy, Catherine

Journal of Physical Chemistry Editorship - 13020-KL00 74,519

Sponsor: American Chemical Society

Co-PI:

Earth and Ocean Sciences

Benitez-Nelson, Claudia

Elucidating Spatial and Temporal Variability in the Export and Attenuation of Ocean 59,163
Primary Production using Thorium-234 - 21610-FA15

Sponsor: Woods Hole Oceanographic Institution (WHOI)/NASA

Co-PI:

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Knapp, Camelia

Targeted Infusion Project: Building an Interdisciplinary Geosciences and Geospatial Intelligence Curricula Through Applied Training in Mapping and Spatial Reasoning - 24400-FA30 18,876

Sponsor: Claflin University/NSF

Co-PI:

Geography

Dow, Kirstin

Advancing Understanding of Risk: Expanding the Use of Elevation Certificates in Damage Assessments and Resilience Planning - 13540-FB39 37,986

Sponsor: SC Sea Grant Consortium/NOAA

Co-PI:

Mitchell, Jerry

Story Map for African American History Instruction - 13540-GJ21 69,425

Sponsor: South Carolina Department of Education/General Assembly

Co-PI:

History

Schulz, Constance

The Revolutionary Era Pinckney Statesmen of South Carolina, A Digital Documentary Edition: Phase 3 - 13550-FA26 -40,000

Sponsor: National Endowment for the Humanities (NEH)

Co-PI:

Philosophy

Frey, Jennifer

Virtue, Happiness, and the Meaning of Life - 12560-KA09 53,805

Sponsor: University of Chicago/John Templeton Foundation

Co-PI:

Psychology

Becker, Kimberly

Coordinated Knowledge Systems: Connecting Evidence to Action to Engage Students in School-Based Mental Health - 13580-KA99 61,423

Sponsor: Regents of the University of California/William T. Grant Foundation

Co-PI:

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December, 2017 Awards

Business, Moore School of

Business, Moore School of - Division of Research

Von Nessen, Joseph

S.C. Commission on Higher Education - Economic Impact of the SmartState Program - FY17 - 21200-LA08 21,000

Sponsor: SC Commission on Higher Education

Co-PI:

Small Business Development Center

Abraham, Michele

Office of Small Business Development Centers Program Announcement - 2018 (USC) - 21250-FM05 365,903

Sponsor: US Small Business Administration (SBA)

Co-PI:

Office of Small Business Development Centers Program Announcement - 2018 (State Director's Office) - 21250-FM06 366,984

Sponsor: US Small Business Administration (SBA)

Co-PI:

Education, College of

Office of Program Evaluation

Dickenson, Tammie

Evaluation of the Carolina Consortium for Enterprise Learning Project - 15290-FA17 97,531

Sponsor: Richland School District Two/USDE

Co-PI: Lewis, Ashlee

SC Educational Policy Center

Monrad, Diane

Evaluation of the Discover Five Magnet Program for School District Five of Lexington and Richland Counties - 15270-HL01 195,000

Sponsor: School District Five of Lexington and Richland Counties

Co-PI:

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December, 2017 Awards

Engineering & Computing, College of

Chemical Engineering

Lauterbach, Jochen

A Novel Hollow Fiber Membrane Reactor for High Purity H₂ Generation from Thermal Catalytic NH₃ Decomposition - 15510-FD02 20,000

Sponsor: RPI/ARPA-E (DOE)

Co-PI:

Mustain, William

Transitioning Al@Zn Anodes from Successful Concept to Real Applications - 15510-JB31 6,348

Sponsor: Duracell

Co-PI:

Understanding the Influence of Zn Structure in Reducing Cell Gassing - 15510-JB32 70,000

Sponsor: Duracell

Co-PI:

Shimpalee, Sirivatch

TOPR of BOA No. 00000000000000000000419 Response to Statement of Work for "Bioprocess Intensification" CEB00009 /PR# 324517 - 15510-FC93 10,000

Sponsor: Savannah River Nuclear Solutions (SRNS)/DOE

Co-PI:

Civil & Environmental Engineering

Meadows, Michael

Development of a Users Manual for Application of the South Carolina Unit Hydrograph Method - 15520-FB54 74,900

Sponsor: SC Department of Transportation(SCDOT)/FHWA

Co-PI:

Ziehl, Paul

Assessment of Structural Degradation for Bridges and Culverts - 15520-FB55 349,927

Sponsor: SC Department of Transportation (SCDOT)/FHWA

Co-PI:

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Electrical Engineering

Ali, Mohammad

Conformal Multi-functional Structural Antenna - 15530-FB73

33,744

Sponsor: Booz Allen Hamilton/AFRL

Co-PI:

IIT - Engineering

Hikmet, Neset

Developing a Health and Education Information Exchange for Children & Youth in Foster Care in South Carolina - 15560-KA00

153,240

Sponsor: USC Educational Foundation/The Duke Endowment
Child Care Division

Co-PI:

Mechanical Engineering

Besmann, Theodore

Database Development and Modeling of Fuel-Fission Products in High Burnup Systems - 15540-FC91

20,000

Sponsor: UT- Battelle, LLC/DOE

Co-PI:

Kidane, Addis

Optimal Functionally Graded Cellular Materials (FGCMs) to Mitigate Shock and Impact Loading - 15540-FD68

75,000

Sponsor: Army Research Office (ARO)/DOD

Co-PI:

Xue, Xingjian

AOI 2: Modularization of Ceramic Hollow Fiber Membrane Technology for Air Separation - 15540-FD69

10,000

Sponsor: National Energy Technology Laboratory/DOE

Co-PI:

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December, 2017 Awards

Hospitality, Retail & Sport Management, College of

Hotel, Restaurant & Tourism Management

DiPietro, Robin

University of Aruba Collaboration- Part II - 14050-LA04

170,856

Sponsor: University of Aruba

Co-PI:

Retailing, Department of

Brosdahl, Deborah

Target Leadership Development Series Program - 14010-JJ00

1,500

Sponsor: Target Corporation

Co-PI:

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December, 2017 Awards

Law, School of

Children's Law Center

Morris, Carolyn

DSS Investigations & External Training Contract (Year 3): Law Enforcement - 15810-FL95 114,897

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

DSS Investigations & External Training Contract (Year 3): External Professionals - 15810-FL96 7,719

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

DSS Investigations & External Training Contract (Year 3): Law School - 15810-FL97 4,940

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

DSS Projects Contract (Year 3) Court Liaison - 15810-FL98 384,118

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

DSS Projects Contract (Year 3): Cold Case - 15810-FL99 15,878

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

DSS Projects Contract (Year 3): Policy - 15810-FM00 21,574

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

DSS Projects Contract (Year 3): Data - 15810-FM01 10,176

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

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December, 2017 Awards

Children's Justice Act - Operation of CHildren's Law Center (Year 3) - 15810-FM02 41,487

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

Children's Justice Act - Support of Task Force (Year 3) - 15810-FM03 22,339

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

Medicine, School of

Internal Medicine

Albrecht, Helmut

Randomized Trial to Prevent Vascular Events in HIV – REPRIEVE - 18190-FA12 1,868

Sponsor: Hospital Corporation d/b/a Massachusetts General Hospital/NIH

Co-PI:

Protocol GS-US-380-1844, "A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Switching from a Regimen of Dolutegravir and ABC/3TC.... - 18190-JA90 1,844

Sponsor: Gilead Sciences, Inc.

Co-PI:

Protocol GS-US-380-1878: A Phase 3, Randomized, Open-Label Study to Evaluate the Safety and Efficacy of Switching from Regimens Consisting of Boosted Atazanavir or Darunavir plus - 18190-JA91 2,889

Sponsor: Gilead Sciences, Inc.

Co-PI:

GS-US-380-4030 - "A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Switching from a Regimen of Dolutegravir and Either Emtricitabine/Tenofovir Alafenamide or Emtricitabine/Tenofovir Disoproxil Fumarate to a Fixed Dose Combi 1,000

Sponsor: Gilead Sciences, Inc.

Co-PI:

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December, 2017 Awards

Neurology

Mrelashvili, Davit

JCV Antibody Program in Patients with Relapsing Multiple Sclerosis Receiving or Considering Treatment with Tysabri - STRATIFY 2 - 18450-JA07 1,500

Sponsor: Biogen Idec Inc.

Co-PI: Sen, Souvik Selph, James Hwang, Te-Long

ESTEEM: A Multicenter, Global, Observational Study to Collect Information on Safety and to Document the Drug Utilization of Tecfidera (Dimethyl Fumarate) When Used in Routine Medical Practice in the Treatment of Multiple Sclerosis - 18450-JA14 3,175

Sponsor: Biogen Idec MA Inc.

Co-PI:

Sen, Souvik

DEFUSE3: Endovascular Therapy Following Imaging Evaluation for Ischemic Stroke 3 - 18450-FA11 2,592

Sponsor: Palmetto Health/NIH

Co-PI:

Pathology, Microbiology and Immunology

Kubinak, Jason

Exploring how B cell Maturation Pathways Influence Microbiota Composition and Host Health - 18060-FB43 108,000

Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH

Co-PI:

Can MHC Polymorphisms Predict the Risk of CCVID-Associated Bacteremia? - 18060-KA25 25,000

Sponsor: Jeffrey Modell Foundation

Co-PI:

Murphy, Elizabeth

Sex-Specific Differences in Obesity Enhanced Colorectal Cancer - 18060-KA24 165,000

Sponsor: American Institute for Cancer Research

Co-PI:

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Pediatrics

Brown, III, David

"A Phase 2a, Randomized, Double-blind, Placebo-controlled, Incomplete Block Crossover Study to Evaluate the Safety and Efficacy of VX-371 Solution for Inhalation in Subjects with Primary Ciliary Dyskinesia" (Protocol No. PS-G202) - 18140-JA35 1,984

Sponsor: Parion Sciences, Inc.

Co-PI:

Pharmacology, Physiology & Neuroscience

Ortinski, Pavel

Neural Microcircuit Selection by Astrocyte Signaling Following Cocaine Exposure - 18080-FA70 270,337

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

Co-PI:

Wood, Susan

Identifying the Neuroinflammatory Pathways Driving Increased Stress Susceptibility in Females (Protocol No. 2307-101116-051816) - 18080-KA53 70,000

Sponsor: Brain and Behavior Research Foundation

Co-PI:

Surgery

Clair, Daniel

Pilot Study for the LimFlow Stent Graft System - 18200-JA10 52,510

Sponsor: LimFlow, Inc.

Co-PI:

Nursing, College of

Nursing

Elk, Ronit

Community-Engaged Hospitalists Training - 11200-KA25 10,000

Sponsor: California State University San Marcos Corporation/West Foundation

Co-PI:

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Pharmacy, SC College of

Palmetto Poison Center

Michels, Jill

Surveillance of the RADARS System by Poison Control Centers - 11140-LA00 29,400

Sponsor: Denver Health and Hospital Authority

Co-PI:

Pharmacy - Clinical Pharmacy and Outcomes Sciences

Fabel, Patricia

Impact of a Pharmacist Hypertension Coaching Program - 11150-KA25 27,000

Sponsor: SC Pharmacy Association

Co-PI:

Public Health, Arnold School of

Exercise Science

Pate, Russ

Physical Activity, Sedentary Behavior and Weight Status in Early Childhood - 11530-FB29 722,400

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

Co-PI:

Stewart, Jill

Targeted Engagement of the Motor Action Selection Network during Arm Rehabilitation after Stroke - National - 11530-KA60 77,000

Sponsor: American Heart Association - National

Co-PI: Fritz, Stacy

Health Services Policy and Management

Brooks, John

Development of Physical Therapy Performance Measure Algorithms - 11550-KA20 144,200

Sponsor: Physical Therapy Industry Outcomes Registry Workgroup

Co-PI:

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Ostermann, Jan

Subaward: Positive Outcomes for Orphans (POFO): HIV Risk as Young Adults - 11550-FA75 25,873

Sponsor: Duke University/NIMH/NICHD

Co-PI:

Public Health, Arnold School of - Dean

Draper, Carrie

DSS SNAP - ED SC Department of Social Services/USDA - Yr 4 - 11540-FA88 60,000

Sponsor: SC Department of Social Services/USDA

Co-PI:

Kenison, Kelli

Evaluation of SC DHEC Programs Including SC FitnessGram - 11580-KL10 24,000

Sponsor: SC DHEC/ BCBS Foundation

Co-PI:

Research, Vice President for

Sponsored Awards Management

Morris, Julie

SCAMP Phase III: Enhancing Opportunities to Transition Students into Successful STEM Pathways (Year 4) - 21000-FA11 80,000

Sponsor: SC State University/NSF

Co-PI:

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December, 2017 Awards

Social Work, College of

Social Work, College of

Flynn, Cynthia

USC/DSS Purchase of Social Work Training for DSS Staff and Agents - Child Welfare Quality Assurance - 15900-FA69 556,883

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

USC/DSS Purchase of Social Work Training for DSS Staff and Agents - National Youth In Transition Survey - 15900-FA70 26,724

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

USC/DSS Purchase of Social Work Training for DSS Staff and Agents- Other Evaluation Assistance - 15900-FA71 24,586

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

USC/DSS Purchase of Social Work Training for DSS Staff and Agents - Child Welfare Instructional Services - 15900-FJ89 83,296

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

USC/DSS Purchase of Social Work Training for DSS Staff and Agents - Economic Services Training - 15900-FJ90 11,232

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

USC/DSS Purchase of Social Work Training for DSS Staff and Agents - Adult Advocacy Services Training - 15900-FJ91 76,918

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

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Levkoff, Sue

*Partnership in Implementation Science for Geriatric Mental Health (PRISM) -
Administrative Core - 15900-FA72* 20,151

Sponsor: Brigham and Women's Hospital/NIH

Co-PI:

*Partnership in Implementation Science for Geriatric Mental Health (PRISM) - Prism
Capacity Building Component - 15900-FA73* 28,173

Sponsor: Brigham and Women's Hospital/NIH

Co-PI:

*Partnership in Implementation Science for Geriatric Mental Health (PRISM) - Prism
Scale Up Study - 15900-FA74* 127,470

Sponsor: Brigham and Women's Hospital/NIH

Co-PI:

Seay, Kristen

*Developing a Health and Education Information Exchange for Children & Youth in
Foster Care in South Carolina - 15900-KA36* -153,240

Sponsor: USC Educational Foundation/The Duke Endowment
Child Care Division

Co-PI:

USC Aiken

USC Aiken

Harmon, Sarah

USC Aiken's Workforce Opportunities in Regional Careers (WORC) - 17110-FJ29 17,515

Sponsor: SRS Community Reuse Organization/DOE/NNSA

Co-PI: Jackson, William

Lippard, Rodney

*Proposal for Continuation of Contract for DOE-SR Public Reading Room at the
University of South Carolina Aiken - 17110-FL46* 41,875

Sponsor: Savannah River Nuclear Solutions, LLC/DOE

Co-PI:

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Pirke, William

Rickover Fellowship Program in Nuclear Engineering - 17110-FA59

836,475

Sponsor: SC Universities Research and Education Foundation/DOE

Co-PI:

USC Upstate

USC Upstate

Godfrey, Esther

The Literature of Caregiving: Fostering a Humanities-based Culture of Care - 17880-FL90

2,600

Sponsor: SC Humanities/NEH

Co-PI:

Report Total:

\$6,764,726