November, 2018 Awards

Arnold School of Public Health

Communication	Sci & Disorders
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Behroozmand, Roozbeh

Sensorimotor Processing of Auditory Feedback in Aphasia - 11560-FA39 -15,000

Sponsor: National Institute on Deafness & Other Communication Disorders

(NIDCD)/NIH

Co-PI:

Klusek, Jessica

Language in Fragile X Syndrome - 11560-FA48 163,050

Sponsor: University of California -Davis/NICHD/NIH

Co-PI:

Environmental Health Sciences

Decho, Alan

Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria - 85,087 11510-FB73

-9,230

Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH **Co-PI**:

Interactions of Climate Change on Oceans and Human Health (CAPICCOHH):
Assessment of Effects on Ocean Health Related Illness and Disease and
Development of Prevention Strategies to Better Protect Public Health - MICRO

CORE - 11510-FB98

Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH

Co-PI:

Kloot, Robin

Using Cover Crops and Soil Health to Reduce Crop Stress and Aflatoxin
Contamination - 11510-FC04
28,700

Sponsor: Natural Resources Conservation Service/USDA

Norman, Robert	
Interactions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and Disease and Development of Prevention Strategies to Better Protect Public Health - MICRO CORE - 11510-FB97	9,230
Sponsor: National Institutes of Environmental Health Sciences (NIEHS)/NIH Co-PI:	
Exercise Science Fritz, Stacy	
Mitigating Falls in Older Adults through Low-cost, Non-intrusive Activity and Gait Analysis from Floor Vibrations - STTR sub-contract with Advanced Smart Systems and Evaluation Technologies (ASSET) - 11530-FB44	82,718
Sponsor: Advanced Smart Systems and Evaluation Technologies (ASSET)/NIH Co-PI:	
Moore, Robert	
A Combined Heart Rate Variability Biofeedback and Progressive Aerobic Exercise Intervention for the Rehabilitation of Post-Concussion Syndrome - 11530-KA70	15,000
Sponsor: The Woodcock Institute Co-PI:	
Pate, Russ	
Physical Activity, Sedentary Behavior and Weight Status in Early Childhood - 11530- FB29	570,501
Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH Co-PI:	
South Carolina FitnessGram Data Analyses - Contract with BlueCross BlueShield of South Carolina Foundation - 11530-KA58	120,684
Sponsor: BlueCross BlueShield of SC Foundation Co-PI: Dowda, Marsha	
Pellegrini, Christine	
Phone Coaching as a Rescue Strategy for Early Non-responders Enrolled in an Internet-delivered Weight Loss Program - Sub-contract with Brown University - Sub-contract with The Miriam Hospital - 11530-FB43	33,308
Sponsor: The Miriam Hospital/Brown University/NIDDK/NIH Co-PI:	

Regan, Elizabeth	
American Heart Association Pre-doctoral Fellowship Application: Integrating Stroke Survivors into Cardiac Rehabiltiation - 11530-KJ02	26,844
Sponsor: American Heart Association	
Co-PI:	
Health Prom., Educ. & Behavior Blake, Christine	
Competitive Small Grants Program for Research on Food Choice in Africa and Asia - 11540-KA51	771,678
Sponsor: Bill & Melinda Gates Foundation/DFID Co-PI: Frongillo, Edward	
Brandt, Heather	
Colorectal Cancer Screening Program in South Carolina (YEAR 4) - 11540-FA96	40,210
Sponsor: Centers for Disease Control and Prevention (CDC) Co-PI:	
Colorectal Cancer Screening Program in South Carolina (YEAR 3) - 13130-FA95	-39,703
Sponsor: Centers for Disease Control and Prevention (CDC) Co-PI:	
Draper, Carrie	
SNAP-Ed Nutrition Support Implementation - 11540-FL08	156,291
Sponsor: SC Department of Social Services/USDA Co-PI:	
Statewide SNAP-Ed Priority Indicators Evaluation - 11540-FL09	145,764
Sponsor: SC Department of Social Services/USDA Co-PI:	
Statewide SNAP-Ed Formative Evaluations - 11540-FL10	148,533
Sponsor: SC Department of Social Services/USDA Co-PI:	

Li, Xiaoming	
Nigeria subcontract - 11540-FL11	49,845
Sponsor: Centre for Integrated Health Programs (CIHP)/CDC Co-PI:	
Macauda, Mark	
Mary Black Foundation Implementation of YRBS, School Health Profiles, and Sexual Health Curricula - 11580-FA88	21,600
Sponsor: Spartanburg School District 7/Mary Black Foundation/CDC Co-PI:	
Evaluation Services for Mary Black Foundation's OAH1B Grant (Year 4) - 11580-FA89	85,121
Sponsor: Mary Black Foundation/Office of Adolescent Health/HHS Co-PI:	
Year 4 Evaluation Services for SC Campaign's OAH1B Grant - 11580-FA90	89,867
Sponsor: SC Campaign to Prevent Teen Pregnancy/Office of Adolescent Health/HHS Co-PI:	
Thrasher, James	
Evaluation of Harm Reduction Messages to Promote Vaping Among Adult Smokers (MUSC - Pilot Project) - 11540-FB02	15,040
Sponsor: Medical University of South Carolina (MUSC)/NCI/NIH Co-PI:	
Public Health - Dean's Office Murday, David	
Using State Databases to Assess Opioid Use in Persons Living with Spinal Cord Injury in SC - 11580-GA07	26,601
Sponsor: SC Spinal Cord Injury Research Fund/State of South Carolina Co-PI:	
Smithwick, Julie	
Boosting our Barrio- PASOs Central Office Support - 11500-KL55	10,000
Sponsor: Medical University of SC/Duke Endowment Co-PI:	

Workman, Lauren Colorectal Cancer Screening Program in South Carolina (YEAR 3) - 11580-FA80 Sponsor: Centers for Disease Control and Prevention (CDC) Co-PI:	-507
College of Arts and Sciences	
Baruch Institute Morris, James	
Jekyll Creek Thin Layer Placement Evaluation and Analysis of Ecosystem Response - 21600-FC84	56,344
Sponsor: Georgia Southern University/US Army Corp of Engineers Co-PI:	
Chemistry & Biochemistry Angel, S.	
Collaborative Research: Deployment of Laser Induced Breakdown Spectroscopy System from ROV Jason - 13020-FD28	82,002
Sponsor: National Science Foundation (NSF) Co-PI:	
Chruszcz, Maksymilian	
Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria - 13020-FC60	49,980
Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH Co-PI:	
Role of Ly6K in TGF and Immune Escape Pathways of Triple Negative Breast Cancer - 13020-FD22	48,191
Sponsor: Henry W. Jackson Foundation for the Advancement of Military Medicine/NIH Co-PI:	
Shimizu, Linda	
Role of Ly6K in TGF and Immune Escape Pathways of Triple Negative Breast Cancer - 13020-FD21	48,192
Sponsor: Henry W. Jackson Foundation for the Advancement of Military Medicine/NIH Co-PI:	

Tang, Chuanbing Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria - 13020-FC59 Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH Co-PI: Decho, Alan Nagarkatti, Mitzi Chruszcz, Maksymilian	160,608
Criminology & Criminal Justice Kaminski, Robert Ceasefire Columbia - 12200-FA28 Sponsor: City of Columbia Police Department/(BJA) DOJ Co-PI:	60,000
Earth & Ocean Sciences Kellogg, James Editorship of Elsevier Science Ltd: Journal of South American Earth Sciences - 13040-J400 Sponsor: Elsevier Science, Ltd. Co-PI:	2,493
Geography Carr, Edward Deltaic Environments, Vulnerability and Climate Change: The Role of Migration as an Adaptation and its Policy Implications - 13540-LA04 Sponsor: University of Southampton/ International Development Research Centre Co-PI:	-10,544
Physics & Astronomy Crawford, Thomas How recording medium properties affect the self-assembly of magnetic nanoparticles onto recorded nano-templates - 13070-GA20 Sponsor: SC EPSCoR/IDeA Co-PI:	9,997
Statistics Wang, Dewei Flexible Biomarker Evaluation Through a Cost-Effective Data Collection Mechanism - 13080-FA37 Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH Co-PI:	73,250

November, 2018 Awards

College of Education

Educational Studies

Carlson, Ryan

University of Central Florida Subaward: Project HARMONY - 15240-FA14 85,481

Sponsor: University of Central Florida/HHS

Co-PI: Dickenson, Tammiee

Irvin, Matthew

STEM Teens: Examining the Role of Youth Educators in Informal Science Learning 6,865

SitesEvaluation Plan - 15220-FA02

Sponsor: NC State University/NSF

Co-PI:

Instruction & Teacher Educ.

Jenkins-Henry, Toby

Backdoor Neighbors: The Impact of "College Town" Culture on African American 2,000

Community Life in South Carolina - 15250-FL68

Sponsor: SC Humanities/NEH

Co-PI:

Research, Eval., & Measurement

Dickenson, Tammiee

University of Central Florida Subaward: Project HARMONY - 15290-FA18 21,723

Sponsor: University of Central Florida/HHS

Co-PI:

Lewis, Ashlee

STEM Teens: Examining the Role of Youth Educators in Informal Science Learning 14,650

80.000

SitesEvaluation Plan - 15290-FA22

Sponsor: NC State University/NSF

Co-PI:

Standards-Based Arts Assessment in South Carolina: Music and Visual Arts

Assessments for Distinguished Arts Programs (2019) - 15290-GL57

Sponsor: SC Department of Education (SCDE)

November, 2018 Awards

College of Engineering & Comp.

Chami	1	Ena	ina	
Chemi	cai	⊏ng	ıne	ering

Alexeev, Oleg

Parametric Studies of BASF's Purification Catalysts - 15510-J145 197,850

Sponsor: BASF Corporation

Co-PI:

Jabbarzadeh, Ehsan

Harnessing the Mesenchymal Stem Cell Secretome for the Treatment of Spinal Cord 150,000

Injury - 15510-GA28

Sponsor: SC Spinal Cord Injury Research Fund (SCIRF)/State of South Carolina

Co-PI:

Liu, Chang

A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis 60,000

Antigens in Pediatric Blood Samples - 15510-FD20

Sponsor: National Institute of Allergy and Infectious Diseases (NIAID)/NIH Co-PI:

Monnier, John

Multiple-Reactor Catalysts Evaluations -- Additional SOW - 15510-JB41 167,854

Sponsor: UOP, LLC

Co-PI:

Ritter, James

MFES for High throughput Modular Process Intensified Gas Separation and Ion 200,000

Exchange - 15510-FD05

Sponsor: RAPID Manufacturing Institute/AIChE/DOE

Co-PI:

Development of a TSA Process for CO2 Removal Using a Structured 13X Adsorbent: 130,001

Part IV - 15510-FD19

Sponsor: Jacobs Technology, Inc./NASA

Civil & Environmental Eng. Viparelli, Enrica	
CAREER: Quantifying the Response of Rivers and Floodplains to Changes in Climate and Land Use - 15520-FB56	27,300
Sponsor: National Science Foundation (NSF) Co-PI:	
Ziehl, Paul	
NDE based Condition Assessment of Sub-Surface Concrete with Limited Access - 15520-FB62	13,000
Sponsor: Tri-Austin/US Air Force Co-PI:	
Computer Science & Engineering Jamshidi, Pooyan	
Online Transfer Learning and Self-Adaptation of Robots - 15590-FB43	40,000
Sponsor: Carnegie Mellon University/DARPA/DOD Co-PI:	
Terejanu, Gabriel	
Using Cover Crops and Soil Health to Reduce Crop Stress and Aflatoxin Contamination - 15590-FB20	-28,700
Sponsor: Natural Resources Conservation Services/USDA Co-PI: Banerjee, Sourav Chanda, Anindya Kloot, Robin	
Zeng, Qiang	
SaTC: CORE: Small: Collaborative: Enabling Precise and Automated Insecurity Analysis of Middleware on Mobile Platforms - 15590-FB44	166,666
Sponsor: National Science Foundation (NSF) Co-PI:	
Electrical Engineering Dougal, Roger	
Electric Ship Research and Development (ESRDC FY17-21) - 15530-FB74	75,000
Sponsor: Florida State University/ONR Co-PI: Ginn, Herbert Benigni, Andrea Santi, Enrico Khan, Jamil	

November, 2018 Awards

Mechanical Engineering

Hu, Ming

Multi-Resolution Data Based AlphaGO for Thermal Materials Discovery (State Appropriation Match) - 15540-GA35

10,000

Sponsor: SC EPSCoR/IDeA Scientific Advocate Network (SAN) program **Co-PI:**

College of Pharmacy

Pharm - Clin Pharm & Outcomes Sciences

Bookstaver, Brandon

mHealth for ART adherence by HIV+ African Americans age 45 & older - 11150-FA12 -39,248

Sponsor: Environmental and Health Group/NIH

Co-PI:

College of Social Work

Social Work - Dean's Office

Flynn, Cynthia

USC/DSS Purchase of Social Work Training for DSS Staff and Agents - National 35,547 Youth In Transition Survey - 15900-FA70

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

-35,547

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

Co-PI:

Darla Moore School of Business

Moore Sch - Div. of Research

Von Nessen, Joseph

South Carolina Department of Employment and Workforce: Return on Investment 72,500
Analysis - 21200-GA49

Sponsor: SC Department of Employment and Workforce (SCDEW)

November, 2018 Awards

Enrollment Management

TRIO Programs

Counts, Althea

University of South Carolina Columbia Upward Bound Program - 21710-FL42 39,978

Sponsor: US Department of Education (USDE)

Co-PI:

Hosp., Retail, & Sport Mgmt

Sport & Entertainment Mgmt

Regan, Tom

Economic Benefit and Attendee Satisfaction of South Carolina State Fair. - 14030-KA05

Sponsor: SC State Fair

Co-PI:

School of Law

Children's Law Center

Morris, Carolyn

Connection of Child Maltreatment and Juvenile Justice - 15810-FM12

Sponsor: S.C. Department of Public Safety/DOJ

Co-PI:

Identifying Juvenile Victims and High Risk Juveniles of Sex Trafficking in South Carolina - 15810-FM14

53,207

96,729

Sponsor: S.C. Department of Public Safety/DOJ

November, 2018 Awards

School of Medicine

Basic Science Research Turley, Christine UAMS-VDORA Travel - 18090-FA09	8,010
Sponsor: University of Arkansas for Medical Sciences (UAMS)/NIH Co-PI:	
Cell Biology & Anatomy Goldsmith, Edie	
South Carolina IDeA Networks of Biomedical Research Excellence (SC INBRE) - DRP Holding account 22050-FB01	-143,900
Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH Co-PI:	
SC INBRE DRP Award - Furman University (PI - Alison Roark) - Interspecific Communication between Anemones and their Algal Symbionts - 22050-FB09	71,950
Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH Co-PI:	
SC INBRE DRP Award - Furman University (PI - Linnea Freeman) - Sex Differences in Microgliosis: The Role of Gut Microbes - 22050-FB10	71,950
Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH	

Internal Medicine	
Albrecht, Helmut Randomized Trial to Prevent Vascular Events in HIV – REPRIEVE - 18190-FA12	3,572
Sponsor: Hospital Corporation d/b/a Massachusetts General Hospital/NIH	3,372
Co-PI:	
Protocol GS-US-380-1489, "A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of GS-9883/ Emtricitabine/ Tenofovir Alafenamide 18190-JA88	1,025
Sponsor: Gilead Sciences, Inc.	
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	922
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	963
Sponsor: Gilead Sciences, Inc. Co-PI:	
Weissman, Sharon	
Ryan White HIV/AIDS Treatment Extension Act - Part B Emerging Communities - 18190-FM46	169,966
Sponsor: SC Department of Health & Environmental Control (DHEC)/HRSA Co-PI:	
Neurology Cuturic, Miroslav	
Enroll-HD: A Prospective Registry Study in Global Huntington's Disease Cohort - 18450-KA02	4,905
Sponsor: CHDI Foundation Co-PI:	

Graham, Cole SMART – A prospective, multicenter registry assessing the embolization of neurovascular lesions using the Penumbra SMART COIL® System - 18450-JA22	2,075
Sponsor: Penumbra, Inc Co-PI:	
Sen, Souvik	
A PHASE 1B/2, MULTICENTER, DOUBLE-BLIND (PRINCIPAL INVESTIGATORS AND STUDY SUBJECTSBLINDED, SPONSOR UNBLINDED), PLACEBO-CONTROLLED, RANDOMIZED, SINGLE-ASCENDING DOSE STUDY TO ASSESS THE SAFETY, PHARMACOKINETICS, AND PHARMACODYNAMICS OF DS-1040B IN SUBJE	1,154
Sponsor: Daiichi Sankyo Pharma Development, an unincorporated division of Daiichi Sankyo, Inc. Co-PI:	
Longitudinal Study of Young Patients with Embolic Stroke of Undetermined Source (ESUS) - 18450-JA20	550
Sponsor: Hamilton Health Sciences-Population Health Research Institute (PHRI) Co-PI:	
Path, Microbio. & Immunology Nagarkatti, Mitzi	
Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria - 18060-FB22	65,925
Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH Co-PI:	
Epigenetic Mechanisms of T Cell Dysregulation in PTSD - 18060-FB38	470,863
Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH Co-PI:	
Nagarkatti, Prakash	
RII Track 1: Materials Assembly and Design Excellence in SouthCarolina: MADE in SC - 22000-FB02	-179,837
Sponsor: National Science Foundation (NSF) EPSCoR Co-PI:	

November, 2018 Awards

Pediatrics

Brown, 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

253

Sponsor: Parion Sciences, Inc.

Co-PI:

Rotholz, David

South Carolina Assistive Technology Program - 18140-FM74

45,130

Sponsor: Administration for Community Living/HHS

Co-PI:

Turley, Christine

Trials and ReseArch NetworkS FOR More (TRANSFORM)-South Carolina - 18090-

406,945

Sponsor: Officer of the Director/NIH

Co-PI:

University 101

Univ. 101

Young, Dallin

A Study of the State of College and Career Readiness in South Carolina - 12040-**GA00**

32,000

Sponsor: Francis Marion University/SC CHE

Co-PI: Keup, Jennifer

University of SC Aiken

Aiken

Gelinas, Cynthia

SC Campaign to Prevent Teen Pregnancy: Linking Older Adolescents to Reproductive Health Services (Project RHEA) - 17110-KJ03

5,000

Sponsor: SC Campaign to Prevent Teen Pregnancy/BCBS Foundation Co-PI:

November, 2018 Awards

University of SC Beaufort

Beaufort - Academic Affairs

Ji, Yiming

RII Track 1: Materials Assembly and Design Excellence in SouthCarolina: MADE in 179,837

30,000

40,000

SC - 17210-FA16

Sponsor: National Science Foundation (NSF) EPSCoR

Co-PI:

Montie, Eric

Historical Analysis of Water Quality and Climate Change Endpoints and Monitoring of Natural Resources - A Pilot Study for Other Watersheds in Beaufort County - 17210-

HA09

Sponsor: Town of Bluffton

Co-PI:

University of SC Lancaster

Lancaster

Williamson, Matherline

The University of South Carolina Lancaster Continuation Application TRiO Upward Bound to Serve First-generation and/or Low-income Students. - 17550-FL31

Sponsor: US Department of Education (USDE)

Co-PI:

Vice President for Research

EPSCoR

Aziz, Nadim

FY16 SC EPSCoR Appropriation - 22400-GA32 -78,000

Sponsor: SC EPSCoR/IDeA/SC Commission on Higher Education (CHE)

Co-PI:

FY18 San Awards - 22400-GA37 58,003

Sponsor: SC EPSCoR/SC Commission on Higher Education

November, 2018 Awards

Office Research - General

Fryar-Riley, Katrina

Mid-South Clinical Data Research Network (CDRN) - 22000-KA13

300,000

Sponsor: Vanderbilt University/Patient-Centered Outcomes Research Institute

(PCORI)

Co-PI: Turley, Christine

Sponsored Awards Management

Morris, Julie

SCAMP Phase III: Enhancing Opportunities to Transition Students into Successful

80,000

STEM Pathways - 21000-FA12

Sponsor: SC State University/NSF

Co-PI:

Report Total:

\$6,535,862