Arnold School of Public Health

*Communication Sci & Disorders*

Den Ouden, Dirk-Bart

*Play on Words: An Aphasic Drama Group* - 11560-FL00

*Sponsor:* SC Humanities/NEH

*Co-PI:*
Fridriksson, Julius

*Integrative Functions of the Planum Temporale* - 11560-FA25

**Sponsor:** The Regents of the University of California/NIH

**Co-PI:** Rorden, Christopher

Center for the Study of Aphasia Recovery (C-STAR) - Year 2 (Project 4 - Subcontract with University of California, Irvine) - 11560-FA36

**Sponsor:** National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

**Co-PI:**

Center for the Study of Aphasia Recovery (C-STAR) - Year 2 (Project 1) - 11560-FA37

**Sponsor:** National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

**Co-PI:**

Center for the Study of Aphasia Recovery (C-STAR) -- Year 3 (Project 1) - 11560-FA44

**Sponsor:** National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

**Co-PI:**

Center for the Study of Aphasia Recovery (C-STAR) - Year 4 (Admin Core) - 11560-FA50

**Sponsor:** National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

**Co-PI:**

Center for the Study of Aphasia Recovery (C-STAR) - Year 4 (Core 1) - 11560-FA51

**Sponsor:** National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

**Co-PI:**

Center for the Study of Aphasia Recovery (C-STAR) - Year 4 (Project 1) - 11560-FA52

**Sponsor:** National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

**Co-PI:**
Center for the Study of Aphasia Recovery (C-STAR) - Year 4 (Project 2 - Subcontract with Johns Hopkins University) - 11560-FA53

Sponsor: National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

Co-PI:

Center for the Study of Aphasia Recovery (C-STAR) - Year 4 (Project 4 - Subcontract with University of California, Irvine) - 11560-FA54

Sponsor: National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

Co-PI:

Klusek, Jessica

Defining the Language Phenotype of the FMR1 Premutation - 11560-FA49

Sponsor: National Institute on Deafness and Other Communication Disorders (NIDCD)/NIH

Co-PI:

Aging Language Trajectories in Premutation Carrier Mothers - 11560-FA55

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

Co-PI:

Environmental Health Sciences

Baalousha, Mohammed

Fate and Impacts of Silver Nanoparticles in Treatment Wetlands - 11510-FC06

Sponsor: Smith College/USGS/DOI

Co-PI:

Epidemiology & Biostatistics

Liese, Angela

SEARCH Nutrition Ancillary Study 2 (SNAS2) - 11520-FB64

Sponsor: The University of North Carolina, Chapel Hill/NIH

Co-PI:

Liu, Jihong

Eliminating Disparities in Perinatal Health - 11500-FA83

Sponsor: Palmetto Health Alliance/HRSA

Co-PI:
Exercise Science

Sarzynski, Mark
Molecular Basis of Exercise-induced Changes in HDL Function - 11530-FB46
Sponsor: National Heart, Lung, and Blood Institute (NHLBI)/NIH
Co-PI: Smuder, Ashley

Smuder, Ashley
Doxorubicin Cardiotoxicity and the Protective Effects of Exercise - 11530-FB47
Sponsor: National Heart, Lung and Blood Institute (NHLBI)/NIH
Co-PI: Frongillo, Edward

Health Prom., Educ. & Behavior

Blake, Christine
Competitive Small Grants Program for Research on Food Choice in Africa and Asia (DFID FUNDING ONLY) - 11540-KA56
Sponsor: Bill & Melinda Gates Foundation/DFID
Co-PI: Frongillo, Edward

Frongillo, Edward
Alive & Thrive Gen 2 Secondary Data Analyses - 11540-KA67
Sponsor: FHI360/Bill & Melinda Gates Foundation
Co-PI: Frongillo, Edward

Macauda, Mark
Evaluation Services for The Mary Black Foundation's Healthy Family Initiative-Year 3 2019 - 11580-KA25
Sponsor: Mary Black Foundation
Co-PI: Turner-McGrievy, Gabrielle

Turner-McGrievy, Gabrielle
A Nutrition-based Approach to reduce heart disease risk among overweight African Americans: Use a soul food plant-based or omnivorous diets to address cardiovascular disease (Year 3) - 11570-FB49
Sponsor: National Heart, Lung, and Blood Institute (NHLBI)/NIH
Co-PI:
Health Services Policy & Mgmt

Cozad, Melanie  
*Decision Aid Implementation and Evaluation for Colorectal Cancer Screening in a Primary Care Setting.* - 11550-KA24  
**Sponsor:** Greenville Health System  
**Co-PI:**  

Floyd, Sarah  
*Comparative Effectiveness of Surgical Treatment versus Conservative Management for Proximal Humerus Fracture: Evidence to Guide Clinical Decision-Making* - 11550-KA25  
**Sponsor:** Greenville Health System  
**Co-PI:**

Public Health - Dean's Office

Gillam, Pamela  
*QI TA for SCDHEC's Perinatal and Infant Oral Health Quality Improvement Expansion Grant* - 11580-FL28  
**Sponsor:** SC Department of Health and Environmental Control (DHEC)/HRSA  
**Co-PI:**  

Young, Michael  
*Carolina Family Engagement Center (CFEC)* - 11500-FJ43  
**Sponsor:** Office of Innovation and Improvement/USDE  
**Co-PI:**

College of Arts and Sciences

Archaeology & Anthropology

Stephenson, Donald  
**Sponsor:** United States Department of Energy/DOE  
**Co-PI:**
Biological Sciences
Berger, Franklin
Center for Colon Cancer Research - Administrative Core - 13130-FA96

Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH
Co-PI:

Smith, Terika
Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury - 13010-FC63

Sponsor: National Institute of Neurological Disorders & Stroke (NINDS)/NIH
Co-PI:

Twiss, Jeffery
Effects of the SCI Microenvironment on Intra-Axonal Signaling - 13010-FC31

Sponsor: Drexel University/NIH
Co-PI:

Intersection of Epigenetic Regulation and Mitochondrial Function in Autism - 13010-GA06

Sponsor: SC EPSCoR/IDeA
Co-PI:

Chemistry & Biochemistry
Dawson, John
Elsevier - Editor Agreement - 13020-JL05

Sponsor: Elsevier
Co-PI:

Shustova, Natalia
Metal-Organics-Framework Glasses as Rad Contaminant Sequesters and Nuclear Waste Forms - 13020-FD31

Sponsor: Savannah River National Laboratory/DOE
Co-PI:
Earth & Ocean Sciences
Lakshmi, Venkataraman

Intergovernmental Personnel Act (IPA)- National Science Foundation - 21610-FL01 -1,112
Sponsor: National Science Foundation (NSF)
Co-PI:

History
Patel, Dinyar

NEH Fellowship: Shaking the Empire: Dadabhai Naoroji and the Birth of Indian Nationalism - 13550-FA28 60,000
Sponsor: National Endowment for the Humanities (NEH)
Co-PI:

Mathematics
Dahmen, Wolfgang

Spring School Series: Models and Data - 13200-FJ00 24,930
Sponsor: National Science Foundation (NSF)
Co-PI:

Liu, Xinfeng

Mathematical Modeling, Computational and Experimental Investigation of the Dynamics of Heterogeneity in Breast Cancer - 13060-FA97 71,253
Sponsor: National Science Foundation (NSF)
Co-PI:

Petrushev, Pencho

Highly Effective Computational Methods in Geomagnetic Field Modeling - 21400-FA45 148,535
Sponsor: National Geospatial Intelligence Agency (NGA)/DOD
Co-PI:

Physics & Astronomy
Ilieva, Yordanka

DIRC-based PID for the EIC Central Detector - 13070-FB19 23,724
Sponsor: Brookhaven National Laboratory/DOE
Co-PI:
Psychology

Roberts, Jane

Emergence and Stability of Autism in Fragile X Syndrome - 13580-FB39 612,127

Sponsor: National Institute of Mental Health (NIMH)/NIH
Co-PI: Richards, John  Shinkareva, Svetlana  Hills, Kimberly

Exposure and Emotion Regulation as Predictors of Adjustment to Trauma - 13580-FB40 59,286

Sponsor: University of Kansas Center for Research, Inc./NIMH
Co-PI:

Rorden, Christopher

Center for the Study of Aphasia Recovery (C-STAR) - Year 4 (Core 2) - 13580-FB66 162,832

Sponsor: National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH
Co-PI:

Center for the Study of Aphasia Recovery (C-STAR) - Year 4 (Project 3) - 13580-FB67 109,610

Sponsor: National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH
Co-PI:

Weist, Mark

Patient-Centered Enhancements in School Behavioral Health: A Randomized Trial - 13580-KB01 5,090,121

Sponsor: Patient Centered Outcomes Research Institute (PCORI)
Co-PI:

School of Earth, Ocean & Env.

Bourbonais, Annie

Nitroux Oxide Cycling in the Arctic Ocean from Stable Isotopic and Concentration Data - 21610-FA23 116,720

Sponsor: National Science Foundation (NSF)
Co-PI:
Wilson, Alicia  
* LTER: Georgia Coastal Ecosystems IV - 21610-FA24  
* **Sponsor:** University of Georgia/NSF  
* **Co-PI:**  

**47,826**

**Statistics**  
* Pena, Edsel  
* **Center for Colon Cancer Research - Biometry Core - 13130-FB00**  
* **Sponsor:** National Institute of General Medical Sciences (NIGMS)/NIH  
* **Co-PI:**  

**-884**

**College of Education**  
* **Instruction & Teacher Educ.**  
* Boutte, Gloria  
* **African Diaspora Literacy: Transforming Research and Practice in Teacher Education and P-12 Schools - 15250-KL08**  
* **Sponsor:** The Spencer Foundation  
* **Co-PI:**  

**49,757**

**Research, Eval., & Measurement**  
* Lewis, Ashlee  
* **Carolina Family Engagement Center (CFEC) - 15290-FJ15**  
* **Sponsor:** Office of Innovation and Improvement/USDE  
* **Co-PI:**  

**189,000**

**SC Educational Policy Center**  
* Monrad, Diane  
* **Sponsor:** School District Five of Lexington and Richland Counties  
* **Co-PI:**  

**15,000**
SC School Improvement Council
Utter, Karen
Carolina Family Engagement Center (CFEC) - 15280-FJ03 485,125
Sponsor: Office of Innovation and Improvement/USDE
Co-PI:

College of Engineering & Comp.
Chemical Engineering
Gaffney, Anne
DOE Phase I: Integrated Membrane Reactor for Enhancing Thermal & Chemical Reactors - 15510-JL04 5,000
Sponsor: Compact Membrane Systems, Inc
Co-PI:

Matthews, Michael
NSF INCLUDES Statewide Consortium Supporting Underrepresented Populations in Precalculus by Organizational Redesign toward Engineering Diversity (SC:SUPPORTED) - 15510-FD01 25,000
Sponsor: Clemson University/NSF
Co-PI:

Moss, Melissa
Biomarkers of Adverse Reaction to Surgical Implants: Proof-of-Concept - 15510-KA76 19,991
Sponsor: Greenville Health System
Co-PI:

Ritter, James
Structured Adsorbent Material Testing and Evaluation - 15510-JB43 170,000
Sponsor: W.L. Gore & Associates
Co-PI:

Weidner, John
Development of the Hybrid Sulfur Cycle-Sulfur Dioxide Depolarized Electrolyzer (Pre-Req 2018-0000059) - 15510-FD23 40,000
Sponsor: Savannah River National Laboratory/DOE
Co-PI:
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<td>Civil &amp; Environmental Eng.</td>
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<td>Assessment of Structural Degradation for Bridges and Culverts - 15520-FB55</td>
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<td>Computer Science &amp; Engineering</td>
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<td>Online Transfer Learning and Self-Adaptation of Robots - 15590-FB43</td>
<td>Carnegie Mellon University/DARPA/DOD</td>
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<td>O’Kane, Jason</td>
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<td>Assessment of Structural Degradation for Bridges and Culverts - 15590-FB47</td>
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<td>Electrical Engineering</td>
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<td>High Efficiency Micro/Nano-pillar UVC Light Emitting Diodes - 15530-FB85</td>
<td>Army Research Office (ARO)/DOD</td>
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<td>Telehealth Integration and Decision Support for South Carolina - 15560-GL00</td>
<td>SC Department of Commerce</td>
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Mechanical Engineering

Farouk, Tanvir


**Sponsor:** National Aeronautics & Space Administration (NASA)

**Co-PI:**

Knight, Travis

*Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation* - 15540-FD76

**Sponsor:** Nuclear Regulatory Commission

**Co-PI:**

van Tooren, Michael

*3D Printing Project - Task Order 3* - 15540-JA91

**Sponsor:** TIGHITCO

**Co-PI:**

Yu, Lingyu

*Weld Induction Project* - 15540-JB13

**Sponsor:** Samsung

**Co-PI:**

College of Nursing

Nursing

Donevant, Sara

*Prescribing Providers’ Perceptions of mHealth Features that Promote Positive Patient Outcomes* - 11200-KA28

**Sponsor:** Sigma

**Co-PI:**

Jenerette, Coretta

*Subaward: Nursing Workforce Diversity - University of North Carolina at Chapel Hill* - 11200-FJ28

**Sponsor:** University of North Carolina-Chapel Hill/HRSA

**Co-PI:**
McKinney, Selina  
TeleMentalScale  -  11200-KJ10  
**Sponsor:** Blue Cross Blue Shield of South Carolina  
**Co-PI:**

**College of Social Work**

*Families in Society, Institute*

Lopez-DeFede, Ana  
The Impact of Emergency Medicaid Policy on Reproductive Health Disparities Among New Immigrants  -  10010-FA66  
**Sponsor:** Oregon Health and Science University/NIMDH/NIH  
**Co-PI:**

**Darla Moore School of Business**

*Moore Sch - Div. of Research*

Ferguson, Mark E  
Oracle Research  -  21200-JA28  
**Sponsor:** Oracle America, Inc.  
**Co-PI:**

**Hosp., Retail, & Sport Mgmt**

*Hotel, Restaurant & Tour Mgmt*

Hudson, Simon  
Developing a Tourism & Hospitality Employment Plan for South Carolina  -  14050-FA03  
**Sponsor:** U.S. Department of Commerce (DOC)  
**Co-PI:**
School of Law

**Law - Dean’s Office**

Suski, Emily

*SC Medical Legal Partnership Collaborative: Raising the Bar for Population Health* - 15800-KA04

**Sponsor:** USC Educational Foundation/The Duke Endowment

**Co-PI:**

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**School of Medicine**

**Cell Biology & Anatomy**

Carver, Wayne

*Data-driven optimization of bioengineered vascular scaffolds as an advanced material for small diameter blood vessel replacement* - 18020-GA03

**Sponsor:** South Carolina EPSCoR

**Co-PI:**

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Cui, Taixing

*NRF2 Signaling in the Cross-Talk between Proteasomal and Lysosomal Degradation* - 18020-FB74

**Sponsor:** University of South Dakota/NIH

**Co-PI:**

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Price, Robert

*Center for Colon Cancer Research - Biotechnology Core* - 13130-FA97

**Sponsor:** National Institute of General Medical Sciences (NIGMS)/NIH

**Co-PI:**

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**Family & Preventive Medicine**

Bennett, Kevin

*Catawba CMHC/Community Medicine Foundation Primary Care Initiative* - 18130-FA35

**Sponsor:** Upper Midlands Rural Health Network/SCDMH/HHS

**Co-PI:**
Internal Medicine
Albrecht, Helmut
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

Sponsor: Gilead Sciences, Inc.
Co-PI:

GS-US-380-4580: A Phase 3b, Multicenter, Open-Label Study to Evaluate Switching From a Regimen of Two Nucleos(t)ide Reverse Transcripase Inhibitors (NRTI) plus a Third Agent to a Fixed Dose Combination (FDC) of Bictegravir/Emtricitabine/Tenofovir Alafenara

Sponsor: Gilead Sciences, Inc
Co-PI:

Macnevin, Ryan
EMPEROR-Reduced: A phase III randomised, double-blind trial to evaluate efficacy and safety of once daily empagliflozin 10 mg compared to placebo, in patients with chronic Heart Failure with reduced Ejection Fraction (HFrEF) - (Protocol No. 1245.121) -

Sponsor: Boehringer Ingelheim Pharmaceuticals, Inc.
Co-PI:

Newsome, Brandi
A post-authorization Safety (PAS) Observational Cohort Study to Quantify the Incidence and Comparative Safety of Selected Cardiovascular and Cerebrovascular Events in COPD Patients Using Inhaled UMEC/VI Combination or Inhaled UMEC versus Tiotropium (Study

Sponsor: Outcomes Sciences, LLC/Glaxo Smith Kline
Co-PI:

Neurology
Cuturic, Miroslav
Enroll-HD: A Prospective Registry Study in Global Huntington's Disease Cohort - 18450-KA02

Sponsor: CHDI Foundation
Co-PI:
Neuropsychiatry

Narasimhan, Meera
Zero Suicide Initiative - 18120-FA23  
**Sponsor:** SC Department of Mental Health/SAMHSA/HHS   
**Co-PI:**

Thornhill, Joshua
Subcontract Between Francis Marion University and the University of South Carolina School of Medicine for the Purchase and Provision of a Medical Education Program to be Delivered by the USC School of Medicine at an External Learning Site Located in Flore  
**Sponsor:** Francis Marion University/SCDHHS/HHS   
**Co-PI:**

Pediatrics

Brown, Daniel
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  
**Sponsor:** Gilead Sciences, Inc.   
**Co-PI:**

Knight, Lisa
POPS-Pharmacokinetics of Understudied Drugs Administered to Children per Standard of Care - 18140-FA27  
**Sponsor:** Duke University/NIH   
**Co-PI:**

Data Coordinating and Operations Center (DCOC) for the IDeA States Pediatric Clinical Trials Network - VDORA - 18140-FA29  
**Sponsor:** University of Arkansas/NIH   
**Co-PI:**

Neuberg, Ronnie
COG St Baldrick's Foundation Supplemental Reimbursement - 18140-KA11  
**Sponsor:** Children's Hospital of Philadelphia/ Children's Oncology Group/ St. Baldrick's Foundation   
**Co-PI:**
Roberts, Carla

DISPLACE--PH Subaward 8.15.18 - 18140-FM72

Sponsor: Palmetto Health--Subaward from MUSCNH/NHLBI

Co-PI:

Pharm., Physiology & Neurology

Kelly, Michy

Role of Cyclic Nucleotide Signaling in Age-related Decline of Social Memories - 18080-FA84

Sponsor: National Institute on Aging (NIA)/NIH

Co-PI:

School of Music

Music

Hubbert, Julie


Sponsor: National Endowment for the Humanities (NEH)

Co-PI:

University of SC Aiken

AK Biology & Geology

Hancock, Charles

Strategies for Identification and Rescue of Poorly Nodulated Soybeans - 17110-KA64

Sponsor: SC Soybean Board

Co-PI:
Office of Research  
IT and Data Management Office  
March, 2019 Awards

Pirkle, William
Nuclear Forensics Graduate Fellowship Program - Formerly MUSC - 17110-FA58
Sponsor: SC Universities Research Education Foundation/ Dept of Homeland Security
Co-PI:

Management of Nuclear Nonproliferation International Safeguards Graduate Fellowship Program - 17110-FA60
Sponsor: SC Universities Research and Education Foundation (SCUREF)/SRNS/NNSA/DOE
Co-PI:

University of SC Beaufort

BFT Grants
Cavanagh, Kimberly
Barnwell Archaeological Research Project - 17210-FA18
Sponsor: SC Humanities Council/NEH
Co-PI:

Sawyer, Caroline
Students Connected - Barnwell Site Excavation Project - 17210-KA22
Sponsor: Community Foundation of the Lowcountry
Co-PI:

Warren, David
Beaufort County Water Quality MOU - 17210-HL09
Sponsor: Beaufort County
Co-PI:
Vice President for Research

**EPSCoR**

Aziz, Nadim

FY16 SC EPSCoR Appropriation - 22400-GA32  
**Sponsor:** SC EPSCoR/IDeA/SC Commission on Higher Education (CHE)  
**Co-PI:**  
-60,000

**EPSCoR Stimulus Research Program** - 22400-GA36  
**Sponsor:** SC EPSCoR/SC Commission on Higher Education  
**Co-PI:**  
-300,000

**EPSCoR DOE Match** - 22400-GA40  
**Sponsor:** SC EPSCoR/SC Commission on Higher Education  
**Co-PI:**  
60,000

**Report Total:** $17,584,627