

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

**May, 2018 New Awards**

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**Arnold School of Public Health**

***Epidemiology & Biostatistics***

**Alberg, Anthony**

*South Carolina Clinical & Translational Research Institute (SCTR) - ( 11520-FJ05 )* 31,793

**Sponsor:** Medical University of South Carolina (MUSC)/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 63,588

PROJECT\_YEARS: 2

**Cai, Bo**

*Service agreement between Palmetto Health and USC - ( 11520-KL03 )* 59,553

**Sponsor:** Palmetto Health/Duke Endowment

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

**Eberth, Jan**

*Measuring breast cancer treatment quality at COC-accredited facilities in the U.S. - ( 11520-KA39 )* 18,550

**Sponsor:** Greenville Health System

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

***Exercise Science***

**Moore, Robert**

*Validating Neuroelectric Biomarkers of Concussion Recovery - ( 11530-FB35 )* 73,250

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 146,500

PROJECT\_YEARS: 2

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**Health Prom., Educ. & Behavior**

**Haynes, Venice**

*GMaP - Exploring Sociocultural Influences on Cervical Cancer Prevention and Control Behaviors in Cusco, Peru - ( 11540-FA95 )* 10,000

**Sponsor:** University of Kentucky Research Foundation/NCI/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Thrasher, James**

*Electronic cigarettes in Latin America: Evaluation of impacts and policy options - ( 11540-FA94 )* 328,830

**Sponsor:** Fogarty International Center, National Institutes of Health

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 1,283,051  
PROJECT\_YEARS: 5

**College of Arts and Sciences**

**Baruch Institute**

**Smith, Erik**

*Quantifying responses of salt marsh productivity to environmental variability over multiple time scales using novel field measurements - ( 21600-FC80 )* 6,464

**Sponsor:** Clemson University/SC Sea Grant Consortium

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 12,929  
PROJECT\_YEARS: 2

**Chemistry & Biochemistry**

**Wang, Qian**

*Contract Service to Modify the Enveloped Vaccinia Virus (VACV) - ( 13020-JL07 )* 45,000

**Sponsor:** Transgene SA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**Earth & Ocean Sciences**

**Knapp, James**

*Partnership for Offshore Carbon Storage Resources and Technology Development in the Gulf of Mexico - ( 21610-FA18 )* 13,053

**Sponsor:** Southern States Energy Board (SSEB)/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 25,000  
PROJECT\_YEARS: 2

**Yogodzinski, Gene**

*Collaborative Research: Investigating Initiation and History of the Aleutian Arc and Composition and Significance of North Pacific Seafloor via Dredge Samples from the R/V Sonne - ( 21610-FA17 )* 229,185

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

**Mathematics**

**Cooper, Joshua**

*Subaward to Quantifying NETosis Via Automated High Content Imaging Assay And Neural Networks - ( 21400-FA46 )* 35,000

**Sponsor:** EpiCypher/UNC Chapel Hill/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Vasquez, Paula**

*CAREER: Multi-scale Modeling of Biological Gels by Coupling Langevin Equations and Fractional Viscoelastic Constitutive Models - ( 21400-FA48 )* 288,106

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 476,480  
PROJECT\_YEARS: 5

**Wang, Qi**

*Collaborative Research: Computational Modeling of How Living Cells Utilize Liquid-Liquid Phase Separation to Organize Chemical Compartments - ( 21400-FA47 )* 150,000

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 3

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**College of Engineering & Comp.**

**Chemical Engineering**

**Padak, Bihter**

*Mercury Adsorption on Activated Carbon - ( 15510-JB35 )* 60,000

**Sponsor:** LAB

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Ritter, James**

*MFES for High throughput Modular Process Intensified Gas Separation and Ion Exchange - ( 15510-FD05 )* 50,000

**Sponsor:** American Institute for Chemical Engineers (AIChE)/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

**Computer Science & Engineering**

**Yan, Yonghong**

*Connecting ROSE to LLVM OpenMP Runtime with LLNL - ( 15590-FB40 )* 50,000

**Sponsor:** Lawrence Livermore National Laboratory/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Electrical Engineering**

**Dougal, Roger**

*Administrative Account for GRAPES - NSF IUCRC Center Membership Agreements. (15530-FB60) - ( 15530-JA51 )* 2,000

**Sponsor:** Various Sponsors

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

*Operating Account : GRAPES - NSF IUCRC Center Membership Agreements. (15530-FB60) - ( 15530-JA52 )* 18,000

**Sponsor:** Various Sponsors

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

**Mechanical Engineering**

**Chao, Yuh**

*Novel semiconductor Warpage Measurement Device - ( 15540-FD75 )* 30,000

**Sponsor:** C&B Tech/NSF

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

**Dryer, Frederick**

*Developing Surrogates for Crudes (Arabian Extra Light Crude Oil) - ( 15540-JA97 )* 60,000

**Sponsor:** Siemens Energy, Inc.

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Farouk, Tanvir**

*Modelling Electric Field Assisted Combustion: Optimization of NOx reduction - ( 15540-JA98 )* 17,879

**Sponsor:** ClearSign Combustion Corporation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**Knight, Travis**

*Experimental Testing and Evaluation of Boron Performance in Spent Fuel Storage and Transportation - ( 15540-FD76 )* 75,000

**Sponsor:** Nuclear Regulatory Commission

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 555,871

PROJECT\_YEARS: 2

**College of Information & Comm.**

**Journalism & Mass Comm.**

**Wu, Linwan**

*Understanding Native Communication of Corporate Social Responsibility (CSR) - ( 15600-KA12 )* 5,000

**Sponsor:** The Pennsylvania State University - Arthur W. Page Center for Integrity in Public Communication

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**College of Pharmacy**

**Drug Discovery & Biomed Sci.**

**Wyatt, Michael**

*RAD51-dependent homologous recombination and thiopurine treatments for cancer - ( 11110-FB00 )* 30,000

**Sponsor:** National Cancer Institute (NCI)/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

**College of Social Work**

**Social Work - Dean's Office**

**Reitmeier, Melissa**

*Medicaid (SBIRT) Initiative to Increase Referrals - ( 15900-GL26 )* 38,579

**Sponsor:** SC Department of Alcohol and Other Drug Abuse Services (DAODAS)

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Division of Student Affairs**

**Student Health**

**Knight, Jacqueline**

*Choose Well LARC Grant 2018 - ( 71000-KL14 )*

30,000

**Sponsor:** SC Campaign to Prevent Teen Pregnancy

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS:

1

**School of Medicine**

**Cell Biology & Anatomy**

**Azhar, Mohamad**

*Role of TGFbeta2 in cardiac outflow tract formation - ( 18020-KA42 )*

26,844

**Sponsor:** American Heart Association

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS:

53,688

2

**Eberth, John**

*A Continuum Approach to Engineering Autologous Bypass Grafts - ( 18020-LA00 )*

40,000

**Sponsor:** SC BioCRAFT/Clemson University

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS:

1

**Family & Preventive Medicine**

**Bennett, Kevin**

*Evaluation of the Network Development Grant, Palmetto Care Connections - ( 18130-FA36 )*

25,000

**Sponsor:** Palmetto Care Connections/HRSA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS:

75,000

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**Neurology**

**Cuturic, Miroslav**

*Huntington's Disease Society of America Center of Excellence Program - ( 18450-KL00 )* 12,500

**Sponsor:** Huntington's Disease Society of America

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Graham, Cole**

*SMART – A prospective, multicenter registry assessing the embolization of neurovascular lesions using the Penumbra SMART COIL® System - ( 18450-JA22 )* 6,500

**Sponsor:** Penumbra, Inc

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

**Path, Microbio. & Immunology**

**Gomez, Gregorio**

*Regulation of Gene Expression in the Anaphylactic Pathway - ( 18060-FB47 )* 21,113

**Sponsor:** National Jewish Health/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 108,058

PROJECT\_YEARS: 5

**University of SC Aiken**

**Aiken**

**Hancock, Charles**

*High-throughput image analysis for soybean nutrient deficiency and in-season yield estimate prediction - ( 17110-KA63 )* 5,000

**Sponsor:** SC Soybean Board

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1



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**Samaha, Ahmed**

*USCA Youth Safe Haven - ( 17110-KL10 )*

2,722

**Sponsor:** United Way of Aiken County Women's Leadership Council

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Report Total: \$1,894,921**