Arnold School of Public Health	
Applied Research & Evaluation (CARE) Workman, Lauren	
SC MIECHV FY19 Evaluation Case Studies	115,412
Sponsor: Children's Trust of South Carolina/HRSA	
AccessHealth SC 2019 Evaluation	3,673
Sponsor: SC Hospital Research and Education Foundation	
Environmental Health Sciences Decho, Alan	
Control of Facial Amphiphilicity to Tune Macromolecular Interactions with Bacteria	82,754
Sponsor: National Institute of Allergy and Infectious Diseases (NIAID)/NIH	
Lead, Jamie	
I-Corps Proposal - Magnetic Nanoremediation of Crude Oil	45,000
Sponsor: National Science Foundation (NSF)	
Exercise Science	
Fritz, Stacy	
TRANScranial Direct Current Stimulation for Post-Stroke Motor Recovery - A Phase II Study (TRANSPORT 2) – Sub-Contract with Duke University	39,917
Sponsor: Duke University/NINDS/NIH	
Regan, Elizabeth	
American Heart Association Pre-doctoral Fellowship Application: Integrating Stroke Survivors into Cardiac Rehabiltiation	26,844
Sponsor: American Heart Association	

Health Prom., Educ. & Behavior	
Frongillo, Edward Monitoring, Learning and Evaluation Leadership, Guidance and Support to the Alive & Thrive Project	33,641
Sponsor: FHI360/Bill and Melinda Gates Foundation	
Multi-Sectoral Agricultural Intervention to Improve Nutrition, Health, and Developmental Outcomes of HIV-infected and Affected Children in Western Kenya	15,747
Sponsor: University of Connecticut/NIH	
Harrison, Sayward A Tailored School-Based Intervention to Increase Vaccine Uptake Among Adolescents in the Rural South	124,052
Sponsor: Duke University/CDC/HHS	
Health Services Policy & Mgmt Crouch, Elizabeth SC MIECHV Client and Staff Attrition Evaluation	382,061
Sponsor: Children's Trust of South Carolina/HRSA	·
PASOS	
Young, Michael PASOs MIECHV 2019-2020	100,000
Sponsor: Children's Trust of South Carolina/HHS	
College of Arts and Sciences	
College of Arts and Sciences	
Anthropology Fogle, Kevin	
Booker T Washington National Monument (BOWA) Archaeological Reanalysis	54,999
Sponsor: National Park Service (NPS)/DOI	

Archaeology & Anthropology Stephenson, Donald	
South Carolina Institute of Archaeology and Anthropology/Savannah River Archaeological Research Program Cooperative Agreement: United States Department of Energy for FY2019 - FY2023	873,142
Sponsor: United States Department of Energy/DOE	
Young, Stacey	45.004
Archaeological Survey of Approximately 43-Acres at Rose Hill Plantation	15,881
Sponsor: SC Parks, Recreation & Tourism	
Biological Sciences	
Twiss, Jeffery	
Targeting Axonal Mechanisms For Supporting Neural Repair & Function	436,813
Sponsor: Dr. Miriam and Sheldon G. Adelson Medical Research Foundation (AMRF)	
Wethey, David	
ECOSTRESS- Heat and Desiccation Risk Prediction in Intertidal Shellfisheries	142,442
Sponsor: National Aeronautics & Space Administration (NASA)	
Center for Science Education	
Jordan, Donald	
USC Junior Science and Humanities Symposium (JSHS) 2020	13,800
Sponsor: National Science Teachers Association (NSTA)/DOD	
Chemistry & Biochemistry	
Dawson, John	
Elsevier - Editor Agreement	1,083
Sponsor: Elsevier	
Richardson, Susan	
Development of a Total Organic Fluorine Method for the Analysis of Process Wastewater Streams and Air from Fayetteville Works (NC)	300,000
Sponsor: The Chemours Company FC, LLC	

Stefik, Morgan	
Fluorophobic Interactions for Multimodal Anapoparticle-Polymer Assemblies	110,000
Sponsor: Petroleum Research Fund/American Chemical Society	
Tang, Chuanbing	
Control of Facial Amphiphilicity to Tune Macromolecular Interactions with Bacteria	226,716
Sponsor: National Institute of Allergy and Infectious Diseases (NIAID)/NIH	
Wang, Qian	
Contract Service to Modify the Enveloped Vaccinia Virus (VACV)	17,500
Sponsor: Transgene SA	
History	
Lekan, Thomas	
Arusha 1961: The Making of the Global Environment in an East African Town	28,740
Sponsor: The Rachel Carson Center for Environment and Society	
Wilder, Colin	
SnowVision: A Machine Learning-Based Image Processing Tool for the Study of Native American Paddle Designs	27,724
Sponsor: SC Department of Natural Resources (SCDNR)/NEH	
Languages, Literatures, & Cult.	
Van Fleit Hang, Krista	
South Carolina Center for Teaching About Asia (2019-2020)	12,912
Sponsor: Freeman Foundation	
South Carolina Center for Teaching About Asia (continuing grant)	-12,912
Sponsor: The Freeman Foundation	
Mathematics	
Duncan, Alexander	
Symmetry and Rationality	42,000
Sponsor: Simons Foundation	

Vasquez, Paula Investigating the Role of Pre-Shear and Pre-Stretching in the Transient Extensional Flow of Dilute Polymer Solutions: Modeling Benchmarking and Numerical Simulations	13,826
Sponsor: Rochester Institute of Technology/NASA	
Physics & Astronomy Kulkarni, Varsha Connecting the Different Signatures of Interstellar Dust at Low Redshift: A Benchmark for Comparison to the Distant Universe	36,783
Sponsor: National Aeronautics & Space Administration (NASA)	
Petti, Roberto Neutrino Physics at the Intensity Frontier Sponsor: Department of Energy (DOE)	30,000
Psychology Bradshaw, Jessica Neurobehavioral Determinants of Social Communication and Language Impairments in At-Risk Infants Sponsor: National Institute on Deafness and Other Communication Disorders/NIH	142,312
Prinz, Ron Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH	19,425
Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH	3,562
Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH	-22,987
Weist, Mark Advancing School Mental Health and PBIS Together (13580-FL23 competing renewal; Subcontract) - Year 2 Sponsor: University of Oregon/USDE	109,933

Statistics Wang, Dewei Flexible Biomarker Evaluation Through a Cost-Effective Data Collection Mechanism Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH	73,250
College of Education	
Educ. Leadership & Policies Stevick, Doyle Anne Frank Carolina: Exhibition & Learning Laboratory Sponsor: USC Educational Foundation/Anne Frank House	375,000
Educational Studies Plotner, Tony Carolina LIFE-CAP Sponsor: SC Vocational Rehabilitation Department	316,500
Instruction & Teacher Educ. Boutte, Gloria The Asa Yoruba Project Sponsor: US Department of Education (USDE)	100,000
Curcio, Rachelle Research Renewal Within and Across Southeastern Professional Development School Partnerships Sponsor: The Spencer Foundation	50,000
Hodges, Thomas South Carolina Center for Research on Teacher Education (SC-Teacher) Sponsor: SC Commission on Higher Education	62,500
Muller, Meir EDUC 635: Anne and Emmett: Confronting Antisemitism, Racism and Otherness through Pedagogy Sponsor: Academic Engagement Network (AEN)	2,500

Wang, Yang Exploring College English Leaners' Disciplinary Reading Using Eye Movement and Miscue Analysis	1,500
Sponsor: The Center for Expansion of Language and Thinking	
Research, Eval., & Measurement Dickenson, Tammiee South Carolina Center for Research on Teacher Education (SC-Teacher) Sponsor: South Carolina Commission on Higher Education	38,400
Lewis, Ashlee Standards-Based Arts Assessment in South Carolina: Music and Visual Arts Assessments for Distinguished Arts Programs (2020)	80,000
Sponsor: SC Department of Education (SCDE)	
College of Engineering & Comp.	
Chemical Engineering Diao, Weijian Mixed Metal Oxide Catalysts Development for Oxidative Dehydrogenation (ODH) of Ethane to Ethylene	250,000
Sponsor: Sabic Global Technologies, B.V.	
Liu, Chang A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples	106,001
Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH	
Monnier, John Enhanced Oxidative Dehydrogenation of Ethane with Facilitated Transport Membranes for Low Cost Production of Ethylene	50,000
Sponsor: Compact Membrane Systems, Inc.(CMS)/DOE	
Ritter, James Microfibrous Entrapped Sorbents for High Throughput Modular Process Intensified Gas Separation and Ion Exchange (Match Account for Award No. 10008422)	50,000
Sponsor: Clemson University/SCDOC	

White, Ralph Predictive Performance and Life Modeling of Implantable Medical Batteries Sponsor: EaglePicher Medical Power, LLC	24,985
Sponsor. EagleFicher Medical Fower, LLC	
Civil & Environmental Eng. Sasanakul, Inthuorn Cyclic Triaxial Testing of Unsaturated Mine Tailings Sponsor: Golder Associates Ltd	30,000
Sponsor. Golder Associates Liu	
Computer Science & Engineering Bakos, Jason RTML: Small: Collaborative: A programming model and platform architecture for real- time machine learning for sub-second temporal systems	122,281
Sponsor: National Science Foundation (NSF)	
Transfer Touridation (Not)	
Sheth, Amit Spokes: MEDIUM: MIDWEST: Collaborative: Community-Driven Data Engineering for Opioid and Substance Abuse in the Rural Midwest	293,647
Sponsor: National Science Foundation (NSF)	
Wang, Song Dendroid Core Detection and Tracking for Directionally Solidified Ni-Based Alloys Sponsor: UES, Inc./AFRL/DOD	163,886
Electrical Engineering Dougal, Roger Electric Ship Research and Development (ESRDC FY17-21)	120,000
Sponsor: Florida State University/ONR	120,000
,	
Ginn, Herbert	
APEMS Control Performance	50,000
Sponsor: Florida State University/ONR	

Wang, Guoan	
Plasmon-Plasmon Scattering Digital Logic	30,535
Sponsor: NanoMEMS Research, LLC/NASA	
IIT - Engineering	
Hikmet, Neset	
South Carolina Center for Research on Teacher Education (SC-Teacher)	11,600
Sponsor: SC Commission on Higher Education	
Mechanical Engineering	
Besmann, Theodore	45.000
Framework for a Molten Salt Reactor Thermochemical Database, Formalisms, and Tabulated Systems of Interest	45,000
Sponsor: UT-Battelle, LLC/Oak Ridge National Laboratory/DOE	
Downey, Austin RTML: Small: Collaborative: A programming model and platform architecture for real- time machine learning for sub-second temporal systems	-122,281
Sponsor: National Science Foundation (NSF)	
Gurdal, Zafer	
Work Activity 202C20: Rapid Tools	5,846
Sponsor: National Institute of Aerospace/NASA	
Huang, Xinyu	
Lithium-Ion Pouch Cell Impact and Crush Testing	49,500
Sponsor: General Motors Holdings, LLC	
Lee, Dongkyu	
Understanding the Fundamental Mechanisms Governing Tensile Strength of High- Performance Small-Scale Carbon/Glass Fibers	79,455
Sponsor: National Science Foundation (NSF)	

Sockalingam, Subramani Understanding the Fundamental Mechanisms Governing Tensile Strength of High- Performance Small-Scale Carbon/Glass Fibers	-79,455
Sponsor: National Science Foundation (NSF)	
van Tooren, Michael Induction Welding Production Trials	36,448
Sponsor: General Motors	
Automation of Design and Manufacture of Wire Harnesses (RoboWire) Safran Sponsor: Safran Electrical & Power USA, LLC	131,283
Wang, Yi An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control (CFDRC Project No. 9397)	125,139
Sponsor: CFD Research Corporation/NASA	
Won, Sang Hee Optimization of Oxidative Desulfurization of Crude Oils Sponsor: KAUST at Saudi Arabia	117,000
College of Nursing	
Nursing Jenerette, Coretta Subaward: Nursing Workforce Diversity - University of North Carolina at Chapel Hill - Year 2	11,296
Sponsor: University of North Carolina-Chapel Hill/HRSA	
Class of 2018 Macy Faculty Scholar	118,738
Sponsor: The Josiah Macy Jr. Foundation	

November, 2019 Awards

College of Pharmacy

Drug Discovery & Biomed Sci. Broude, Eugenia Center for Targeted Therapeutics - Project 002 (Year 6 - Competing Renewal) -50,000 Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH Center for Targeted Therapeutics - Project 3 (Year 5) 5,927 Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH Li, Yangmei Center for Targeted Therapeutics - Project 002 (Year 6 - Competing Renewal): 50,000 Design, Synthesis and Identification of Potent DDX3 Inhibitors with Drug-Like Profiles Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH Mathew, Sajish Center for Targeted Therapeutics - Project 4 - (Year 5) 10,122 Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH McInnes, Campbell Center for Targeted Therapeutics - Drug Discovery - Core C (Year 5) 1,658 Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH Roninson, Igor Center for Targeted Therapeutics - Admin Core (Year 5) -19.125 Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH Sahin, Ozgur Bioinformatics Analyses of HA-regulating Genes and HA-related ECM Signature in 90,000 Different Breast Cancer Subtypes Sponsor: Halozyme Therapeutics, Inc.

Shtutman, Michael	
Center for Targeted Therapeutics - Functional Genomics - Core B - (Year 5)	707
Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH	
Pharmacy - Dean's Office Lim, Chang-uk	
Center for Targeted Therapeutics - Microscopy Flow Cytometry - Core D - (Year 5)	711
Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH	
College of Social Work	
Families in Society, Institute Shapiro, Cheri	
IFS Support for First Steps for PDG	15,000
Sponsor: SC First Steps to School Readiness	
Darla Moore School of Business	
Moore Sch - Dean's Office Bliese, Paul	
Threat monitoring and behavioral health throughout the deployment and career cycles: A translational study	51,004
Sponsor: Univ of Tel Aviv/US Army Medical Research and Materiel Command	
Moore Sch - Div. of Research	
Von Nessen, Joseph	04.000
The Economic Impact of Project Inspector	84,000
Sponsor: S&ME, Inc.	

November, 2019 Awards

Div. of Information Technology	
University Technology Services Zhou, Jun	
SnowVision: A Machine Learning-Based Image Processing Tool for the Study of Native American Paddle Designs	68,012
Sponsor: SC Department of Natural Resources (SCDNR)/NEH	
Hosp., Retail, & Sport Mgmt	
Sport & Entertainment Mgmt Shaomian, Armen	
Collegiate Collaboration: Single Production and Release Show	600
Sponsor: Music and Entertainment Industry Educators Association	
School of Law	
Children's Law Center Morris, Carolyn Connection of Child Maltreatment and Invente Polinguages	26 645
Connection of Child Maltreatment and Juvenile Delinquency Sponsor: SC Department of Public Safety/DOJ	36,645
School of Medicine	
Basic Science Research Turley, Christine	
SEARCH for Diabetes in Youth Registry Study, Phase 4:Carolina Center (Component A)	97,081
Sponsor: University of North Carolina Chapel Hill(UNC)/CDC	
Cell Biology & Anatomy Carver, Wayne	
School of Medicine - Prisma Health Physical Therapist Contract	4,815

Sponsor: Prisma Health - Midlands d/b/a Geriatric Mobility Research Clinic

Family & Preventive Medicine Mayeaux, Edward (E.J) The Diabetes Initiative of South Carolina	16,823
Sponsor: Medical University of South Carolina (MUSC)	
Internal Medicine Ahuja, Divya Transportation Vulnerability as a Barrier for People Not Engaged in HIV Medical Care: Measuring the effect of Traditional Transportation Services verses "Lyft" Transportation on Retention in Care, Viral Suppression and Patient Satisfaction	69,100
Sponsor: Viiv Healthcare	
Albrecht, Helmut Protocol GS-US-380-1489, "A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of GS-9883/ Emtricitabine/ Tenofovir Alafenamide	5,021
Sponsor: Gilead Sciences, Inc.	
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 Combination of Bictegravir/Emtricitabine/Tenofovir Alafenamide in HIV-1 Infected Subjects who are Virologically Suppressed"	500
Sponsor: Gilead Sciences, Inc.	
GS-US-380-4580: A Phase 3b, Multicenter, Open-Label Study to Evaluate Switching From a Regimen of Two Nucleos(t)ide Reverse Transcriptase Inhibitors (NRTI) plus a Third Agent to a Fixed Dose Combination (FDC) of Bictegravir/Emtricitabine/Tenofovir Alafenamide (B/F/TAF), in Virologically-Suppressed, HIV-1 Infected African American Participants	7,638
Sponsor: Gilead Sciences, Inc	
Sanasi-Bhola, Kamla NIH Center for AIDS Research (CFAR) Transforming the Carolinas: Preparing to End the Epidemic for Transgender People of Color Sponsor: University of North Carolina - Chapel Hill/NIAID/NIH	11,776

November, 2019 Awards

Weissman, Sharon Perinatal HIV Prevention: CLEAR: Choosing Life: Empowerment, Action, Results (Year 4 of 5)	200,457
Sponsor: SC Department of Health and Environmental Control (DHEC)/CDC	
Neurology Sen, Souvik Longitudinal Study of Young Patients with Embolic Stroke of Undetermined Source (ESUS)	640
Sponsor: Hamilton Health Sciences-Population Health Research Institute (PHRI)	
Path, Microbio. & Immunology Nagarkatti, Mitzi Control of Facial Amphiphilicity to Tune Macromolecular Interactions with Bacteria	59,600
Sponsor: National Institute of Allergy and Infectious Diseases (NIAID)/NIH	33,000
Epigenetic Mechanisms of T Cell Dysregulation in PTSD Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH	470,863
Oskeritzian, Carole Regulation of Gene Expression in the Anaphylactic Pathway Sponsor: National Jewish Health/NIAID/NIH	20,018
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) and New Onset Respiratory Tract Pseudomonas aeruginosa (PA) Infection/Colonization (Protocol# GS-US-205-1850)	2,621

Sponsor: Gilead Sciences, Inc.

Brown, David	
A Long-term, Randomized, Double-blind, Multicenter, Parallel-group, Phase III Study Evaluating the Efficacy and Safety of PT027 Compared to PT007 Administered as Needed in Response to Symptoms in Symptomatic Adults and Children 4 Years of Age or Older with Asthma (MANDALA) - (Protocol #AV003)	1,500
Sponsor: Bond Avillion 2 Development LLC	
Cramer, Stuart	
COG: Per Case Reimbursement (NCTN Grant 2U10CA180886)	1,000
Sponsor: The Children's Hospital of Philadephilia contracting on behalf of the Children's Oncology Group/NIH	
COG: EveryChild (APEC14B1)	2,250
Sponsor: The Children's Hospital of Philadelphia, Contracting on behalf of the Children's Oncology Group (COG Foundation)	
Knight, Lisa POPS-Pharmacokinetics of Understudied Drugs Administered to Children per Standard of Care	6,750
Sponsor: Duke University/NIH	
Neuberg, Ronnie	
COG St Baldrick's Foundation Supplemental Reimbursement	2,500
Sponsor: Children's Hospital of Philadelphia/ Children's Oncology Group/ St. Baldrick's Foundation	
Rotholz, David	
Leadership Education in Neurodevelopmental and Related Disorders (LEND)	226,760
Sponsor: Medical University of South Carolina (MUSC)/HHS	
Pharm., Physiology & Neurology	
Barlow, Shayne	
Provision of VMO Services to the Dorn VA Medical Center (2019)	25,137
Sponsor: WJB Dorn VA Medical Center/VA	

November, 2019 Awards

Frizzell, Norma Investigating the the Mechanistic Basis of Dimethyl Fumarate Mediated Neuroprotection	173,179
Sponsor: Biogen MA Inc.	
Pocivavsek, Ana Targeted Manipulation of Brain KYNA by Genetic and Pharmacological Means: Biochemical and Functional Effects	86,444
Sponsor: University of Maryland/NIH	
Surgery Clair, Daniel The Randomized And Controlled Noninferiority Trial to Evaluate Safety and Clinical Efficacy of the SurVeil™ Drug-Coated Balloon iN the Treatment of Subjects with Stenotic Lesions of the Femoropopliteal Artery Compared to the Medtronic IN.PACT® Admiral® Drug-Coated Balloon TRANSCEND StudyCLINICAL PROTOCOL SUR17-001	3,200
Sponsor: Surmodics Inc.	
Pilot Study for the LimFlow Stent Graft System Sponsor: LimFlow, Inc.	400
A Prospective, Multicenter, Non-Blinded, Non-Randomized Study of the RelayPro in Subjects with Thoracic Aortic Aneurysms and Penetrating Atherosclerotic Ulcers (Protocol IP-0015-16)	1,600
Sponsor: Bolton Medical, Inc.	
University Libraries Univ Libraries - Dean's Office Gettys, Rebecca	

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Shared Statewide Library Storage and Services Proposal

Sponsor: The Andrew W. Mellon Foundation

November, 2019 Awards

University of SC Aiken

AK Research Support

Pirkle, William

Nuclear Forensics Graduate Fellowship Program - Formerly MUSC -2,050

Sponsor: SC Universities Research Education Foundation/ Dept of Homeland Security

Rickover Fellowship Program in Nuclear Engineering 7,601

Sponsor: SC Universities Research and Education Foundation/DOE

AK Ruth Patrick Sci Ed

Senn, Gary

Science & Technology Enrichment Program (STEP) - Audubon 24,000

Sponsor: National Audubon Society, Inc.

University of SC Beaufort

BFT Humanities

Morris, Brent

America's Reconstruction: The Untold Story 175,787

Sponsor: National Endowment for the Humanities

University of SC Upstate

Upstate

Herzberg, Tina

Project INSPIRE: Increasing the STEM Potential of Individuals Who Read Braille 114,990

Sponsor: U.S. Department of Education

Report Total: \$8,676,180