Prisma Health–Upstate
The Division of Research & Scholarship

Activity Report
Quarter 1 FY 2019
Oct. 1 – Dec. 31, 2018
I - Office of Human Research Protection

Total Number of IRB Protocols Active during Quarter 1: **899**
Total Number of New Protocols Approved during Quarter 1: **74**

<table>
<thead>
<tr>
<th>Total Active by Review Type</th>
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Please excuse our abbreviated report for this quarter as we apply our available resources to assuring that we are prepared for and compliant with the New Common Rule regulations by the compliance date of January 21, 2019. If you are in need of specific department metrics, please contact Janice Piazza in the OHRP office at jpiazza@ghs.org or call 455-6607 and we will provide any specific information you might need prior to the next quarterly report.
II - Office of Sponsored Programs

Overall Summary

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Proposal Activity by Classification

- 47% Research
- 24% Other Sponsored Activity
- 13% Instruction
- 53% Other

Proposal Activity by Sponsor Type

- 6% Federal Pass Through
- 29% Federal
- 41% State
- 24% Foundation
- 6% Industry

Q1 FY19 Department of Research & Scholarship Activity Report
### Award Summary

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### Sponsored Award Classification

- Research: 21%
- Other Sponsored Activity: 79%

### Sponsored Awards by Sponsor Type

- Federal Pass Through: 42%
- Federal: 42%
- State: 4%
- Foundation: 8%
- Industry: 4%

### Expenditures Summary

Q1: $2,603,607
Extramural Proposals

The Office of Sponsored Programs reports that GHS faculty and staff members submitted the following 17 proposals, totaling $97,152,453, during the first quarter of fiscal year 2019.

**Bradshaw Institute for Community Child Health & Advocacy**

**Dr. Kerry Sease**  **Health Resources and Services Administration**  
*Pediatric Support Services (PSS): Improving Access to Mental and Behavioral Health Resources*

PSS aims to increase rates of physician screening and referral for mental and behavioral health concerns and enhance the availability of relevant, up-to-date and appropriate mental and behavioral health care resources to which providers can refer patients and their families.

Project Dates: 03/01/2019 – 02/29/2024  
Total: $250,000; Direct: $159,845; Indirect: $90,155; Cost Share: $400,784

**Dr. Kerry Sease**  **Community Foundation of Greenville**  
*Greenville County Care Coordination Collaborative*

Funding will support a part-time position for one year to lead the Collaborative and oversee the Childhood Homelessness Project, which will address the adverse impact that homelessness and housing instability are having on the children in our community.

Project Dates: 01/01/2019 – 12/31/2019  
Total/Direct: $34,323

**Jane Witowski**  **Trident United Way**  
*Help Me Grow South Carolina (HMG SC)*

HMG SC increases community awareness about the importance of routine developmental/behavioral health screening and connect children and families to helpful community programs and services. Funding will help HMG SC target Tri-County families who have a child between the ages of birth and five.

Project Dates: 07/01/2019 – 06/30/2022  
Total/Direct: $284,465
**Department of Pediatrics**

**Dr. Jonathan Markowitz  National Institutes of Health via the University of North Carolina**

*Tooth matrix biomarkers to identify early life environmental risk factors for eosinophilic esophagitis (EoE)*

This study aims to collect and analyze teeth from children with EoE and controls. GHS will be responsible for identifying subjects and healthy controls appropriate for inclusion in the study and ensuring that study procedures are followed for the collection of study material.

Project Dates: 07/01/2019 – 06/30/2021  
Total: $28,152; Direct: $18,000; Indirect: $10,152

**Clinical Integration**

**Valerie Tucker  Greenville Women Giving**

*Mobile Mammography Initiative*

This initiative focuses on the development of medical resources that address barriers to care and assist with breast cancer prevention efforts in Greenville and surrounding areas.

Project Dates: 05/16/2019 – 05/15/2020  
Total/Direct: $100,000

**Department of Obstetrics and Gynecology**

**Dr. Kacey Eichelberger  National Institutes of Health via Augusta University**

*Pragmatic Prospective Cohort Study of the Safety and Efficacy of Voluntary Withdrawal from Opioids using Methadone During Pregnancy*

GHS will screen women with ODD for eligibility to be included in this pragmatic cohort trial of medically supervised withdrawal versus usual therapy for opioid dependent women during pregnancy.

Project Dates: 03/01/2019 – 02/29/2024  
Total: $62,000; Direct: $39,642; Indirect: $22,358
Department of Orthopaedic Surgery

Dr. Brayton Shirley        Smith & Nephew
*Steadman Hawkins Clinic of the Carolinas Fellowship Program*
This will be a one-year fellowship for a US Residency Graduate with the aim of providing a strong academic and clinical foundation with high volume exposure to primary and revision total hip and knee replacements.
Project Dates: 08/01/2019 – 07/31/2020
Total: $122,264; Direct: $78,174; Indirect: $44,090

Dr. Tom Pace        NuVasive
*Resident Travel Support*
Funds were requested to support travel expenses for Dr. Brandon Huggins to attend the 46th Annual Meeting of the Cervical Spine Research Society.
Project Dates: 12/01/2018 – 12/31/2018
Total/Direct: $2,328

Dr. Tom Pace        Globus Medical
*Resident Travel Support*
Funds were requested to support travel expenses for Dr. Brandon Huggins to attend the 46th Annual Meeting of the Cervical Spine Research Society.
Project Dates: 12/01/2018 – 12/31/2018
Total/Direct: $2,328

Dr. Michael Brinkley        Association for Medical Imaging Management / Canon
*Improving Comfort and Safety at Children’s Hospital of Greenville Health System*
The goal of this project is to enhance the imaging experience for pediatric patients and their families by updating the Pediatric Radiology waiting room to create a warm and engaging environment and turning the pediatric fluoroscopy suite into a welcoming and calming space.
Project Dates: 01/01/2019 – 12/31/2019
Total/Direct: $7,500

Dr. Kyle Jeray        Department of Defense via Carolinas HealthCare System
*Evaluation of patient-controlled modularity as a strategy to meet differing levels of demand in orthosis bearing patients*
This study is a multi-center prospective randomized controlled trial that will specifically address patients at five centers who have been referred for a Variable Cadence Orthosis and treatment in the Return to Performance clinical pathway.
Project Dates: 09/30/2019 – 09/29/2023
Total: $22,628; Direct: $14,468; Indirect: $8,160
Department of Surgery

Dr. William Cobb  Clemson University Research Foundation via Clemson University

Pilot Animal Study for Surface Modified Hernia Mesh Fixation with Hydrogel Adhesive
The proposed research aims to develop an adhesive system to enable laparoscopic surgical techniques for the implantation and fixation of mesh for repair of large abdominal wall defects.
Project Dates: 01/01/2019 – 09/30/2019
Total/Direct: $2,000

Dr. Alfredo Carbonell  Agency for Healthcare Research and Quality via Clemson University

Door Operating and Traffic Flow Simulation in Operation Room
This project will study the effect of door opening in operating rooms on airflow and potential pathogen dispersion which may inform national guidelines and general operating room design.
Project Dates: 05/15/2019 – 05/14/2021
Total: $5,000; Direct: $3,197; Indirect: $1,803

Department of Internal Medicine

Dr. Alain Litwin  National Science Foundation via Clemson University

SCH: INT: Collaborative Research: Developing intelligent Pervasive Augmented reality therapies (iPAL) for use in the complementary treatment of Opioid Use Disorder
This study will develop advanced immersive technological solutions for coping with craving and substance abuse management for individuals recovering from substance abuse disorder.
Project Dates: 06/01/2019 – 05/31/2023
Total: $36,000; Direct: $23,016; Indirect: $12,984

Dr. Alain Litwin  National Institutes of Health via Clemson University

The STRONG Communities Study
This study will advance solutions to the opioid overdose crisis by providing access to and supporting implementation of evidence-based tools to communities based upon individual assessments of need.
Project Dates: 07/01/2019 – 06/30/2023
Total: $96,074,568; Direct: $66,275,012; Indirect: $29,799,556
Dr. Jim Davis  National Institutes of Health via University of South Carolina

Biosocial Processes Modulating the Influence of Social Adversity on Mild Cognitive Impairments among Older Adults: A Population-Based Prospective

Dr. Davis will offer expertise in the prevention, diagnosis, treatment, and care of older adults with cognitive impairments and provide advice and recommendations in the development of the community and organizational ecosystem needed to deliver services and care to adults with cognitive impairments.

Project Dates: 06/01/2019 – 05/31/2024
Total: $109,337; Direct: $69,908; Indirect: $39,429

Dr. Gulzar Merchant  SCRA Academia Collaboration Team via University of South Carolina

Evaluating the Effectiveness of a Mobile Application to Assist Patients and Rheumatologists in Managing Rheumatoid Arthritis

Dr. Merchant will be the clinical investigative research partner and assist with patient recruitment. Patient investigators from the GHS Patient Engagement Studio will participate in facilitated discussions to ensure the patient’s voice is integrated throughout the project.

Project Dates: 04/01/2019 – 03/31/2020
Total: $9,560; Direct: $7,967; Indirect: $1,593
Awards

The Office of Sponsored Programs reports that GHS faculty and staff members received the following 24 awards, totaling $2,971,572 during the first quarter of fiscal year 2019.

Department of Pediatrics

**Dr. Bryce Nelson**  
**National Institutes of Health via the University of North Carolina**

*SEARCH for Diabetes in Youth Registry Study Phase 4: Carolina Center (Component A)*

Annual continuation funding.  
Project Dates: 09/30/2018 – 09/29/2019  
Total: $48,846; Direct: $31,232; Indirect: $17,614

**Dr. Anne Kinsman**  
**Health Resources and Services Administration via Medical University of South Carolina**

*Leadership Education in Neurodevelopmental and Related Disorders Training Program (SC LEND)*

The goal of the LEND training program is to improve access to healthcare and services for children with disabilities and their families by training diverse groups of professionals in leadership, cultural competence, clinical knowledge, advocacy, and interdisciplinary collaboration between health care professionals and families.  
Project Dates: 07/01/2018 – 06/30/2019  
Total: $136,558; Direct: $126,947; Indirect: $9,611

**Emily Durham**  
**Dabo’s All In Team® Foundation**

*The Canine F.E.T.C.H. (Friends Encouraging Therapeutic Coping and Healing) Unit*

The Canine F.E.T.C.H. Unit provides patients and families with unique benefits that come with animal assisted therapy, which strives to improve patients’ physical, social, emotional and cognitive functioning.  
Project Dates: 10/01/2018 – 09/30/2019  
Total/Direct: $10,000

**Emily Durham**  
**ScanSource Charitable Foundation**

*Children's Hospital Child Life Services*

Funding to support the Child Life Services program, which focuses on the psychosocial and developmental needs of children in collaboration with their families and other healthcare providers.  
Project Dates: 01/01/2019 – 12/31/2019  
Total/Direct: $25,000
**Bradshaw Institute for Community Child Health & Advocacy**

**Lorraine Cragan-Sullivan**  
**CDC via Association of University Centers on Disabilities**  

*LTSAE AMBASSADOR*  
Funding to extend the term of the Act Early Ambassador.  
Project Dates: 10/31/2018 – 02/28/2019  
Total/Direct: $1,334

**Department of Orthopaedic Surgery**

**Dr. Tom Pace**  
**Globus Medical**  

*Resident Travel Support*  
Funding to support Dr. Brandon Huggins in attending the CSRS Annual Meeting.  
Project Dates: 12/05/2018 – 12/08/2018  
Total/Direct: $2,000

**Stephanie Tanner**  
**National Science Foundation via Clemson University**  

*SCH EXP: Home +, An Intelligent and Interoperable Suite of Robotic Furnishings, Learning and Evolving with Their Users*  
Annual amendment to support this project, which will improve the health and quality of life for the 14,378+ persons with ADRD and their caregivers who live in Greenville, Anderson, Pickens and Oconee counties.  
Project Dates: 10/01/2018 – 09/30/2019  
Total: $19,744; Direct: $12,624; Indirect: $7,120

**Department of Obstetrics and Gynecology**

**Rachel Amrhein**  
**Health Resources and Services Administration via Children’s Trust of SC**  

*Nurse Family Partnership*  
Annual continuation funding to support home visiting services using the Nurse Family Partnership program model in Greenville, Oconee, Pickens, and Laurens counties.  
Project Dates: 10/01/2018 – 09/30/2019  
Total/Direct: $557,600
Department of Internal Medicine

Dr. Alain Litwin National Institutes of Health via Clemson University

*Intensive Models of HCV Care for Injection Drug Users*
This year’s amendment.
Project Dates: 07/01/2018 – 06/30/2019
Total: $29,265; Direct: $18,712; Indirect: $10,553

Dr. Alain Litwin Substance Abuse and Mental Health Services Administration via Clemson University

*Project EMPOWER – Engaging Medicine Providers On Ways to Enhance Recovery*
Clemson University School of Nursing in Greenville and University of South Carolina School of Medicine Greenville will develop and implement Project EMPOWER to increase the number of providers with waivers to prescribe Medication Assisted Treatment to patients with Opioid Use Disorder. The project will train up to 100 medical students and 50 nurse practitioners.
Dates: 09/30/2018 – 09/29/2019
Total: $38,339; Direct: $35,499; Indirect: $2,840

Dr. Alain Litwin Health Resources and Services Administration via Clemson University

*The Oconee SC RCORP-Planning Project*
This project will support the development of a new multi-sector consortium to study and address the gaps in access to treatment and recovery for OUDs in the rural county of Oconee, South Carolina.
Project Dates: 09/30/2018 – 09/29/2019
Total: $200,000; Direct: $131,148; Indirect: $68,852

Cancer Institute

Dr. Larry Gluck The Daniel-Mickel Foundation

*Center for Cancer Prevention and Wellness*
Funding to support the CCPW, through which GHS will provide customized cancer surveillance and prevention interventions based on an individual’s specific health status and personal history, as well as their particular genetic, molecular and immune profile.
Project Dates: 01/01/2019 – 12/31/2023
Total/Direct: $274,000
Dr. Aniket Saha               St. Baldrick’s Foundation  
*Dedicated AYA Patient Navigator in a Growing AYA Oncology Program*  
Funding will support salary and travel expenses for a dedicated Patient Navigator for one year to help AYA patients address issues throughout their treatment, get them the help they need and steer them towards newer treatments through trials that may increase their chance of a cure from cancer.  
Project Dates: 01/01/2019 – 12/31/2019  
Total/Direct: $50,000; Cost Share: $45,665

Sara Roman               Center for International Blood and Marrow Transplant Research  
*Travel Award*  
Fund to support travel to the 2018 Clinical Research Professionals' Data Management Conference.  
Project Dates: 01/01/2019 – 03/31/2019  
Total: $750

**Department of Emergency Medicine**

Dr. Christopher Carey               SC Department of Alcohol and Other Drug Abuse Services  
*FAVOR Opioid Recovery Counseling Evaluation (FORCE)*  
Additional funding to support the GHS ED in its work to connect individuals who present with an opioid overdose with a Certified Peer Support Specialist prior to discharge so that recovery support services can be offered.  
Project Dates: 09/01/2018 – 04/30/2019  
Total: $18,187; Direct: $14,549; Indirect: $3,638

Dr. Brandon Dawson               Greenville Health Authority via Greenville County Emergency Medical Services  
*Improved Access to Acute Episodic Care through Integrated Prehospital Care Response*  
Through this partnership with Greenville County, GHS will train up to 1,200 firefighters to be first responders, which will enhance the prehospital chair of care and improve access to healthcare through standardized response configurations and abilities while improving/expanding the healthcare workforce.  
Project Dates: 10/01/2018 – 09/30/2019  
Total/Direct: $580,000
**Health Sciences Center**

**Anne Ellefson**  
**Hollingsworth Funds**

*Medical-Legal Partnership*
Funding to support the Medical Legal Partnership Director position.
Project Dates: 12/01/2018 – 11/30/2019  
Total/Direct: $75,000

**Department of Psychiatry and Behavioral Medicine**

**Dr. Lance Feldman**  
**Substance Abuse and Mental Health Services Administration via Clemson University**

*Mental Health Awareness Training*
This project will train individuals in Mental Health First Aid in order to identify those in need of intervention, de-escalate crisis situations and refer individuals and families to appropriate mental health resources. Project Dates: 09/30/2018 – 09/29/2019  
Total: $124,377; Direct: $116,053; Indirect: $8,324

**Dr. Eve Fields**  
**Morehouse School of Medicine**

*Research Effort for Adolescents*
The purpose of this project is to validate the M3 as a measure for common mental health disorders in primary care.  
Project Dates: 11/01/2018 – 12/31/2018  
Total/Direct: $5,000

**Roger C. Peace Rehabilitation Hospital**

**Dr. Kevin Kopaera**  
**Department of Veterans Affairs**

*Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces GHS/RCP Adaptive Sports Outreach*
Greenville Health System’s (GHS) Roger C. Peace Rehabilitation Hospital (RCP) ASG program will encourage and enable disabled veterans and service members (participants) to participate in sports and learn how they can resume activities they enjoy or learn new activities by using adaptive sports equipment. Project Dates: 09/01/2018 – 09/30/2019  
Total: $88,596; Direct: $84,168; Indirect: $4,428
Kristen Caldwell  Barbara Stone Foundation
*Upstate Community Abilities Network (UCAN)*
UCAN is a program of Roger C. Peace Rehabilitation Hospital, founded by a group of dedicated therapists about 20 years ago. Funding to support the Junior Wheelchair Basketball Team, The Rollin' Tigers.
Project Dates: 10/15/2018 – 10/14/2019
Total/Direct: $3,500

**Western Region**

**Dr. Scott Sasser**  Department of Homeland Security
*Assignment Agreement*
Intergovernmental Personnel Act Assignment Agreement to support Dr. Sasser serving as subject matter expert for the Office of Protection and National Preparedness. Dr. Sasser will provide critical analytical, technical, and planning support to the Department of Homeland Security for the continued development of national preparedness policy and doctrine.
Project Dates: 10/01/2018 – 09/30/2019
Total/Direct: $27,226

**Emergency Management**

**Kristen Kolleda**  Centers for Disease Control and Prevention via SC Department of Health and Environmental Control
*Hospital Preparedness Program - Ebola Grant*
This funding will support annual training exercises, education courses, and materials purchases related to Ebola preparedness as part of the statewide initiative.
Project Dates: 05/18/2018 – 05/17/2019
Total/Direct: $30,000
Clinical Integration

**Jennifer Snow**  **The Duke Endowment**  
Community Support Team Network (CSTN) - Mobilizing and Empowering Churches & Community Organizations  
A CSTN consists of a group of volunteers that work together to provide practical, emotional and spiritual support to patients in the community. Coaches and teams are established to help recently discharged patients address all needs, beyond those related to care. This project will serve vulnerable discharged patients from the health system’s Upstate and Midlands hospital locations.  
Project Dates: 01/01/2019 – 12/31/2021  
Total/Direct: $626,250; Cost Share: $385,628
III - Scholarly Activities

Biomedical Sciences

Peer Reviewed Journals & Abstracts


Cancer Institute

Peer Reviewed Journals & Abstracts

**Emergency Medicine**

**Peer Reviewed Journals & Abstracts**


**Family Medicine**

**Peer Reviewed Journals & Abstracts**


**Pediatrics**

**Peer Reviewed Journals & Abstracts**

1. **Markowitz, J. E. (Author)**. Response to the Letter on "Efficacy of Reslizumab for EoE" by Dr Fuchs. Journal of pediatric gastroenterology and nutrition. 2018 Oct 1;67(4): p. e86. PMID: 30239489


Books/Book Chapters