The Division of Research & Scholarship

Activity Report

4th Quarter, Fiscal Year 2016
July 1 – September 30, 2016
I - Office of Human Research Protection
4th Quarter, Fiscal Year 2016

<table>
<thead>
<tr>
<th>IRB Review Type and Funding Source</th>
<th>Active Studies per Review</th>
<th>Active Studies per Funding Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Board</td>
<td>284</td>
<td>Federally Funded</td>
</tr>
<tr>
<td>Expedited Review</td>
<td>172</td>
<td>Industry Sponsored</td>
</tr>
<tr>
<td>Facilitated Review (USO Studies)</td>
<td>41</td>
<td>Private Non-Profit</td>
</tr>
<tr>
<td>HSSC (Cooperative Review)</td>
<td>40</td>
<td>Internal Funding</td>
</tr>
<tr>
<td>Exempt</td>
<td>339</td>
<td>No Funding</td>
</tr>
<tr>
<td>NCI CIRB</td>
<td>26</td>
<td>Other</td>
</tr>
<tr>
<td>Total</td>
<td>902</td>
<td>Total</td>
</tr>
</tbody>
</table>

**IRB-A Categories:** Cardiology, Vascular Surgery, Plastic Surgery, General Surgery, Orthopedics, Rehabilitation, Neurology, Nursing, Women’s, Internal Medicine, Pharmacy, Infectious Disease, General (non-pediatrics/non- oncology)

**IRB-B Categories:** Pediatrics (all), Women’s, Cardiology, Orthopedics, Internal Medicine, Infectious Diseases, Neurology, General (non-adult oncology)

**IRB-C Category:** Adult Oncology

**Other:** Chart reviews, questionnaires, pilot studies, feasibility studies, biology, Humanitarian Device Exempt (HDE) and Humanitarian Use Device (HUD) studies, specimen storage, Comparative Effectiveness Research, Social Behavioral Research, curriculum development, etc.
Active Studies per Review Type
- QR4FY2016
  - Full Board: 284
  - Expedited Review: 172
  - HSSC (Cooperative Review): 41
  - Exempt: 40
  - NO CIRB: 26
  - Total: 90

Active Studies per Funding Source
- QR4FY2016
  - Federally Funded: 282
  - Industry Sponsored: 168
  - Private Non-Profit: 38
  - Internal Funding: 40
  - No Funding: 332
  - Other: 887

Total # studies opened in IRB
- QR4 FY 2014: 706
- QR1 FY 2015: 763
- QR2 FY 2015: 808
- QR3 FY 2015: 827
- QR4 FY 2015: 866
- QR1 FY 2016: 895
- QR2 FY 2016: 875
- QR3 FY 2016: 887
- QR4 FY 2016: 902

Active Studies per Specialty
- Other: 7.40%
- USC: 2.40%
- Clemson University: 2.10%
- Rehabilitation: 0.90%
- Pharmacy: 0.50%
- Anesthesia: 0.50%
- Psychology: 0.00%
- Orthopaedics/Neurosurgery: 7.90%
- Surgery/Vascular: 12.30%
- Nursing: 1.90%
- Cardiology: 2.00%
- Medicine: 4.80%
- Adult Oncology: 35.20%
- Pediatrics/Peds Hem/Onc: 15.40%
- Women's Medicine: 6.80%
### Active Interventional Clinical Trials

<table>
<thead>
<tr>
<th>Department</th>
<th>Drug</th>
<th>Device</th>
<th>Other</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiology</td>
<td>3</td>
<td>11</td>
<td>0</td>
<td>13</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>3</td>
<td>0</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Oncology</td>
<td>240</td>
<td>2</td>
<td>43</td>
<td>280</td>
</tr>
<tr>
<td>Orthopaedics/neurosurgery</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Hawkins Foundation</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Sub-Total</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>7</td>
<td>0</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>Hem/Onc</td>
<td>36</td>
<td>0</td>
<td>0</td>
<td>36</td>
</tr>
<tr>
<td>Sub-Total</td>
<td>43</td>
<td>0</td>
<td>2</td>
<td>45</td>
</tr>
<tr>
<td>Surgery</td>
<td>1</td>
<td>17</td>
<td>4</td>
<td>22</td>
</tr>
<tr>
<td>Womens</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>298</td>
<td>36</td>
<td>56</td>
<td>384</td>
</tr>
</tbody>
</table>

#### Interventional Clinical Trials by Department

- Cardiology: 6%
- Internal Medicine: 12%
- Oncology: 3%
- Orthopaedics/neurosurgery: 3%
- Hem/Onc: 2%
- Surgery: 3%
- Womens: 1%

#### Interventional Clinical Trials by Study Type

- Drug: 77%
- Device: 9%
- Other: 14%
### Active Interventional Clinical Trials per Phase and Funding Source

<table>
<thead>
<tr>
<th>Phases</th>
<th>Funding Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry</td>
<td>Federal Funding</td>
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<tr>
<td>Phase I</td>
<td>0</td>
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<tr>
<td>Phase II</td>
<td>0</td>
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<tr>
<td>Phase III</td>
<td>1</td>
</tr>
<tr>
<td>Phase IV</td>
<td>12</td>
</tr>
<tr>
<td>Cardiology</td>
<td></td>
</tr>
<tr>
<td>Internal Medicine</td>
<td></td>
</tr>
<tr>
<td>Oncology</td>
<td>16</td>
</tr>
<tr>
<td>Cardiology</td>
<td></td>
</tr>
<tr>
<td>Internal Medicine</td>
<td></td>
</tr>
<tr>
<td>Oncology</td>
<td>16</td>
</tr>
<tr>
<td>Interventional Clinical Trials by Phase</td>
<td>Funding Source</td>
</tr>
<tr>
<td>Cardiology</td>
<td>Industry</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>Industry</td>
</tr>
<tr>
<td>Oncology</td>
<td>16</td>
</tr>
<tr>
<td>Orthopaedics/neurosurgery</td>
<td>Industry</td>
</tr>
</tbody>
</table>

### Interventional Clinical Trials by Phase

- Phase I: 2%
- Phase II: 5%
- Phase III: 34%
- Phase IV: 59%

### Interventional Clinical Trials by Funding Source

- Industry: 60%
- Federal Funding: 37%
- Other 3: 3%

3 Other types of funding include foundation and departmental.
## Clinical Trial Revenue (ALL)

<table>
<thead>
<tr>
<th></th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiology</td>
<td>$37,351.43</td>
<td>$2,450.54</td>
<td>$5,898.18</td>
<td>$45,700.15</td>
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<tr>
<td>Internal Medicine IM</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Endoc</td>
<td>$5,644.00</td>
<td>NA</td>
<td>$1,584.00</td>
<td>$7,228.00</td>
</tr>
<tr>
<td><strong>Sub-Total</strong></td>
<td><strong>$0.00</strong></td>
<td><strong>$6,444.60</strong></td>
<td><strong>$350.00</strong></td>
<td><strong>$6,794.60</strong></td>
</tr>
<tr>
<td>Oncology Cancer Institute</td>
<td>$84,620.67</td>
<td>$54,555.50</td>
<td>$48,123.15</td>
<td>$187,299.32</td>
</tr>
<tr>
<td>ITOR</td>
<td>$152,337.62</td>
<td>$56,095.20</td>
<td>$42,457.00</td>
<td>$250,889.82</td>
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<tr>
<td><strong>Sub-Total</strong></td>
<td><strong>$101,332.53</strong></td>
<td><strong>$182,415.04</strong></td>
<td><strong>$72,358.39</strong></td>
<td><strong>$356,105.96</strong></td>
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<tr>
<td>Orthopaedics/Neurosurgery</td>
<td>GHS</td>
<td>$9,985.80</td>
<td>$14,645.00</td>
<td>$16,007.54</td>
</tr>
<tr>
<td>Hawkins Foundation</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>Sub-Total</strong></td>
<td><strong>$3,465.00</strong></td>
<td><strong>$14,645.00</strong></td>
<td><strong>$0.00</strong></td>
<td><strong>$3,465.00</strong></td>
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<tr>
<td>Pediatrics</td>
<td>Regular</td>
<td>$9,655.80</td>
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<td>$9,655.80</td>
</tr>
<tr>
<td>Hem/Onc</td>
<td>$0.00</td>
<td>$0.00</td>
<td>NA</td>
<td>$0.00</td>
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<tr>
<td><strong>Sub-Total</strong></td>
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<td><strong>$750.60</strong></td>
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<tr>
<td>Surgery</td>
<td>$42,209.50</td>
<td>NA</td>
<td>$43,663.63</td>
<td>$85,873.13</td>
</tr>
<tr>
<td>Womens</td>
<td>$32,422.24</td>
<td>$32,422.24</td>
<td>$2,524.90</td>
<td>$67,369.38</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$192,787.02</strong></td>
<td><strong>$246,355.94</strong></td>
<td><strong>$107,401.14</strong></td>
<td><strong>$546,544.10</strong></td>
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### OVERALL SUMMARY

<table>
<thead>
<tr>
<th>Quarterly Summary - GHS</th>
<th>Q4 FY15</th>
<th>Q4 FY16</th>
<th>% Change</th>
<th>FY15 YTD</th>
<th>FY16 YTD</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value of Proposals</td>
<td>$2,759,548</td>
<td>$ 8,535,785</td>
<td>209%</td>
<td>$18,227,866</td>
<td>$33,937,911</td>
<td>86%</td>
</tr>
<tr>
<td>Number of Proposals</td>
<td>16</td>
<td>23</td>
<td>44%</td>
<td>66</td>
<td>94</td>
<td>42%</td>
</tr>
<tr>
<td>Value of Awards</td>
<td>$3,600,593</td>
<td>$ 1,987,368</td>
<td>-45%</td>
<td>$ 8,972,277</td>
<td>$ 8,286,125</td>
<td>-8%</td>
</tr>
<tr>
<td>Number of Awards</td>
<td>10</td>
<td>15</td>
<td>50%</td>
<td>50</td>
<td>47</td>
<td>-6%</td>
</tr>
</tbody>
</table>

### PROPOSAL SUMMARY

**Total Proposal Activity**

<table>
<thead>
<tr>
<th></th>
<th>PRIME</th>
<th>SUB</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Cost</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Indirect Cost</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost Share</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Total Requested</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Obstetric and Gynecology</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Surgery (General)</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Family Medicine</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Surgery (Orthopaedics)</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>4</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Psychiatry/Behavioral Medicine</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Pathology</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Radiology</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Nursing</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Emergency Medicine</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Roger C. Peace</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Women's Services</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Bradshaw Institute</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Clinical University</td>
<td>5</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
<td><strong>7</strong></td>
<td><strong>23</strong></td>
</tr>
</tbody>
</table>

**Proposal Activity by Classification**

- Research: 39%
- Other Sponsored Activity: 50%

**Proposal Activity by Sponsor Type**

- Fed Pass Through: 4%
- Federal: 22%
- State: 74%
- Foundation: 0%
- Industry: 0%
### AWARD SUMMARY

#### Total Award Activity

<table>
<thead>
<tr>
<th>Sponsored Awards Classification</th>
<th>Sponsored Awards by Sponsor Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>Fed Pass Through</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>Federal</td>
</tr>
<tr>
<td>Instruction</td>
<td>State</td>
</tr>
<tr>
<td></td>
<td>Foundation</td>
</tr>
<tr>
<td></td>
<td>Industry</td>
</tr>
</tbody>
</table>

#### FY16 Expenditures

<table>
<thead>
<tr>
<th>FY16</th>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>FY16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditures</td>
<td>$1,460,256</td>
<td>$1,698,509</td>
<td>$2,354,155</td>
<td>$2,020,973</td>
<td>$7,533,893</td>
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</tbody>
</table>
IV - Sponsored Programs Extramural Funding Requests
4th Quarter, Fiscal Year 2016

The Office of Sponsored Programs reports that GHS faculty and staff members submitted the following 23 proposals, totaling $8,535,785, during the fourth quarter of fiscal year 2016.

Department of Obstetrics and Gynecology

**Dr. Melisa Holmes: New Morning Foundation**

*Teen Health Center*

The focus of this project is to address the need for teen-friendly health care by establishing a collaborative and multidisciplinary model of comprehensive and holistic care for adolescents. The project will initially focus on teen pregnancy prevention as well as improved access to timely and effective prevention and treatment for other conditions that threaten the health and well-being of adolescents and young adults.

*Project Dates: 01/01/2017 – 12/31/2020*

Total: $5,201,252; Direct: $3,383,337; Indirect: $1,817,915

**Dr. Bruce Lessey: European Society of Human Reproduction and Embryology (ESHRE) via University of North Carolina**

*BCL6 and SIRT1 as a Primary Cause of Progesterone Resistance and Endometrial Receptivity Defects in Women*

This research will focus on two novel molecules, namely BCL6 and SIRT1, as biomarkers for the diagnosis of endometriosis. GHS will conduct cell culture experiments and collect endometrium from women using established IRB-approved protocols. The goal of these studies is to determine whether these molecules can be used to determine endometrial receptivity and how they are influenced by inflammation.

*Project Dates: 12/01/2016 – 11/30/2019*

Total: $25,114; Direct: $18,835; Indirect: $6,279

**Roger C. Peace Rehabilitation Hospital**

**Dr. Elizabeth DuBose: National Institutes of Health (NIH) via SC Tao**

*Gait Enhancing Mobile Shoe for Stroke Rehabilitation*

The goal of the novel Gait Enhancing Mobile Shoe (GEMS) is to make gait patterns more effective by correcting the interlimb coordination and strengthening the paretic leg of individuals with impaired walking patterns caused by stroke. This proposed research and development will focus on validating the novel GEMS for use by individuals with stroke while walking over ground in the clinic, evaluate the GEMS for home-based rehabilitation therapy, and launch the commercialization process.

*Project Dates: 04/01/2017 – 03/31/2019*

Total: $191,778; Direct: $122,620; Indirect: $69,158

**Dr. Kevin Kopera: Mary Black Foundation**

*Lake Bowen Accessibility Project*

Support from MBF will help develop an accessible space at Lake Bowen to increase therapeutic and adaptive sport activities for GHS and the entire Upstate community.

*Project Dates: 02/01/2017 – 08/31/2017*

Total/Direct: $25,905
Dr. Sandip Jain: Christopher and Dana Reeve Foundation
ALS Nutrition Project
The ALS Nutrition Project is a pilot initiative that will directly impact the quality of life of those living with ALS by providing individuals with ALS, their caregivers and clinicians with accurate information on nutrition needs on an ongoing basis. It will provide them with the resources, knowledge, and support to prevent malnutrition and increase their quality of life. It will also provide clinicians with accurate information to aid in treatment recommendations.
Project Dates: 01/01/2017 – 12/31/2017
Total: $17,559; Direct: $15,963; Indirect: $1,596

Dr. Sandip Jain: Muscular Dystrophy Association (MDA)
MDA/ALS Care Center at Greenville Health System
This project will provide a patient-centered service for the Greenville area and surrounding populations. The MDA/ALS Care Center will allow patients to receive care from a team of healthcare professionals that are trained to address patient needs during a single visit, relieving both the patients and their families of traveling to multiple locations to pursue their health care needs.
Project Dates: 01/01/2017 – 12/31/2019
Total/Direct: $175,018

Dr. Mark O’Rourke: Avon Foundation for Women
GHS Breast Health Patient Navigation Program (BHPNP)
This project will support a part time Breast Health Patient Navigator to educate women in Greenville County, particularly those who are uninsured, under-insured and medically under-served, on breast health and connect them to screening services and follow up care. Many women in Greenville County are either unaware of the importance of mammograms and CBES, or are unable to access them due to financial or other socio-economic issues. Other women are lost to follow up or repeat screens for various reasons. The BHPNP will target these women and get them linked to services.
Project Dates: 01/01/2017 – 12/31/2017
Total: $39,999; Direct: $36,362; Indirect: $3,637

Dr. Bill Kelly: Agency for Healthcare Research and Quality (AHRQ)
Validation Study of Estimated Hand Hygiene Opportunities in Hospital Settings
This project addresses the continued validation of electronic system hand hygiene (HH) monitoring with video observation. It will facilitate the development of accurate, reliable, affordable, and timely HH compliance measurement systems, leading to improved HH and reduced health care-acquired infections. The specific aims are to determine the number of hand hygiene opportunities occurring in a critical care setting, confirm estimates of compliance derived from electronic monitoring, and assess patterns of hand hygiene behavior among healthcare workers in ICU settings.
Project Dates: 07/01/2017 – 06/30/2020
Total: $628,034; Direct: $435,832; Indirect: $192,202
Department of Women’s Services

Elena Huston: HHS via Children’s Trust of South Carolina

*Supplemental MIECHV Funding*
This funding will allow for Nurse Home Visitors (NHVs) to maintain current knowledge of community initiatives and give Nurse-Family Partnership (NFP) the ability to offer innovative techniques and skills to assist both the NHVs and NFP clients.
Project Dates: 07/22/2016 – 12/01/2016
Total/Direct: $24,008

Department of General Surgery

Dr. Jeremy Warren: Society of American Gastrointestinal & Endoscopic Surgery (SAGES)

*Open Robotic versus RetrOmuscular Incisional Hernia Repair; ORREO trial*
This study proposes a prospective randomized control trial comparing open retromuscular VHR (OVHR) to RRVHR in patients with an expected higher risk of adverse outcome. Primary outcomes will be a composite outcome that includes 30-day SSO (excluding simple seroma) and SSI, SSO/SSI requiring procedural intervention (SSOPI/SSIPI), LOS, readmission, and hernia recurrence as a composite outcome. Secondary endpoints will include each specific outcome (SSO, SSI, LOS, readmission, and recurrence), operative time, and cost.
Project Dates: 01/01/2017 – 12/31/2017
Total/Direct: $50,000

Department of Orthopaedic Surgery

Dr. Michael Hunter: American Foundation for Surgery of the Hand (AFSH)

*Evaluating Palpation Guided Trapeziometacarpal Injections*
The purpose of this project is to evaluate the accuracy of palpation guided trapeziometacarpal injections into the joint and determine if there is utility in this approach. The project will enroll 50 GHS patients who have been diagnosed with trapeziometacarpal arthritis requiring injection. It is anticipated that the data collected in this study will show that the accuracy of palpation-guided injections is similar to ultrasound and fluoroscopy guided injections, thus leading to a decreased need for radiation and the associated added costs to the patient.
Project Dates: 01/01/2017 – 12/31/2017
Total/Direct: $5,000

Department of Pediatrics

Dr. Addie Hunnicutt: Muscular Dystrophy Association (MDA)

*Pediatric MDA Care Center at Greenville Health System*
The Pediatric MDA Care Center will allow patients to receive care from a team of healthcare professionals that are trained to address patient needs during a single visit, relieving both the patients and their families of traveling to multiple locations to pursue their health care needs.
Project Dates: 01/01/2017 – 12/31/2019
Total/Direct: $79,207
Dr. Steven Snodgrass: Cystic Fibrosis Foundation (CFF)
Cystic Fibrosis Foundation Care Center
The CF Care Center continues to focus on multidisciplinary collaborations. Funding will allow the center to develop a separate, age-based CF clinic for infants or toddlers, execute successful QI projects, and develop a local adult program with a solid transition plan.
Project Dates: 07/01/2017 – 06/30/2018
Total/Direct: $72,120

Dr. Desmond Kelly: Department of Defense (DOD) via University of South Carolina
Integrative neuromodulation intervention for treatment of autonomic dysfunctions and behavioral symptoms in autism spectrum disorder
This project will test the efficacy of a novel intervention comprised of a combination of transcranial magnetic stimulation (rTMS) and autonomic biofeedback (BFB) in autistic children. The study plans to enroll 100 autistic children, analyze a variety of outcome measures, physiological indices (e.g., HRV, SCL, Respiration, etc.), and parent (ABC, RBS, SRS, ASEBA) and clinician (ADI-R, SCARED) report measures of autism symptoms and social/cognitive functioning. The study will examine the effects of 18 sessions of 1 Hz rTMS and post-TMS BFB on behavior, emotional reactivity, and autonomic activity outcomes in autistic children. The study will use active and sham rTMS and biofeedback training combinations to examine effects of treatment on functional and behavioral clinical outcomes in autism.
Project Dates: 04/01/2017 – 03/31/2020
Total: $412,616; Direct: $263,821; Indirect: $148,795

Bradshaw Institute for Community Child Health and Advocacy

Linda Brees: Junior League of Greenville (JLG)
Bike Skills Clinic
The Bicycle Skills Clinic is a bicycle education curriculum for fourth and fifth grade physical education students. Aligned with the South Carolina State Physical Education Standards, this program goes beyond basic bike safety and gets kids on bikes to teach them a skill they can use for life to improve their overall health. Support from the JLG will keep this project viable and allow GHS to continue promoting cycling as a healthy pastime and part of an active and fulfilled life.
Project Dates: 01/01/2017 – 12/31/2017
Total/Direct: $13,800

Jane Witowski: Department of Social Services (DSS) via University of South Carolina
Building a Statewide System of Inclusion
Help Me Grow (HMG) will provide outreach to identified childcare centers; develop a comprehensive toolkit to support childcare centers in parent engagement around child development and developmental monitoring; provide professional development opportunities and technical assistance to project participants; process completed developmental screenings per HMG SC protocols; and, recommend childcare centers follow-up with SC CCCIC or another project partner for on-site technical assistance (when appropriate).
Project Dates: 10/01/2016 – 09/30/2017
Total/Direct: $68,850
Dr. Kerry Sease: U.S. Department of Agriculture (USDA) via Clemson University
*Children Choosing Change: Multistate partnership for sustainable healthy eating and physical activity in young children*
GHS will assist with project planning and finalizing measures to be used to assess project impact on physical activity and nutrition; recruit/enroll preschool child-parent dyads from participating preschool classroom sites across three cohorts; implement IMIL training to preschool teachers, Farm to Belly, and Choosy components of the intervention to each cohort during the proposed period of time; and, work with partners to disseminate information to local communities in SC and national and international audiences via conference presentations.
Project Dates: 01/01/2017 – 12/31/2021
Total: $970,068; Direct: $679,048; Indirect: $291,020

Clinical University

Dr. Spence Taylor: Dorothy Hooper Beattie Foundation
*Preparing the Future Physician*
This program will benefit medical students by providing stipends for summer research activities and related experiential learning programs within the Clinical University and its partners. Students have the opportunity to increase their understanding of how research advances evidence based patient care.
Project Dates: 01/01/2017 – 12/31/2017
Total/Direct: $15,000

Dr. Brenda Thames: TJX Foundation
*MedEx Academy*
This program will benefit medical students by providing stipends for summer research activities and related experiential learning programs within the Clinical University and its partners. Students have the opportunity to increase their understanding of how research advances evidence based patient care.
Project Dates: 01/01/2017 – 12/31/2017
Total/Direct: $50,000

Dr. Brenda Thames: Hearst Foundation
*MedEx Academy*
This program will benefit medical students by providing stipends for summer research activities and related experiential learning programs within the Clinical University and its partners. Students have the opportunity to increase their understanding of how research advances evidence based patient care.
Project Dates: 01/01/2017 – 12/31/2017
Total/Direct: $250,000

Dr. Brenda Thames: AVX Kyocera Foundation
*MedEx Academy*
This program will benefit medical students by providing stipends for summer research activities and related experiential learning programs within the Clinical University and its partners. Students have the opportunity to increase their understanding of how research advances evidence based patient care.
Project Dates: 01/01/2017 – 12/31/2017
Total/Direct: $50,000
Dr. Matthew Hudson: The Hope Foundation
Optimizing Clinical Work Intensity among Medical Oncologists
This is a 12-month pilot study involving SWOG affiliated practices to identify salient factors and processes contributing to clinical work intensity among medical oncologists and, specifically, to identify how various providers, patient and practice-based factors mediate intensity.
Project Dates: 10/01/2016 – 09/30/2017
Total: $55,253; Direct: $47,862; Indirect: $7,391

Dr. Peggy Wagner: Gordon and Betty Moore Foundation via Clemson University
For Patients, By Patients – Building a more efficient and cost-effective engagement model for chronic heart failure patients and their family caregivers
This overarching intention of this project is to increase the potential for Dr. Zhang to conduct research in patient and family engagement. This project is designed to increase patient engagement at the point of transition of care from inpatient to outpatient. The GHS Patient Engagement Studio will assist with reviewing TeleDischarge efforts currently underway with heart failure patients and establish diagnostically specific patient panels addressing heart failure. GHS will conduct research into the effectiveness of TeleDischarge in terms of patient engagement variables such as patient satisfaction and health system variables such as readmission rates and pilot test a mobile health application, iHeartU, to increase patient self-care.
Project Dates: 12/01/2016 – 11/30/2019
Total: $115,204; Direct: $104,403; Indirect: $10,801
The Office of Sponsored Programs reports that GHS faculty and staff members received the following 15 awards, totaling $1,987,368, during the fourth quarter of fiscal year 2016.

Department of Internal Medicine

**Dr. Jeffrey Giguere: National Institutes of Health**
*NCORP of the Carolinas*
Year 3 funding for NCORP
Project Dates: 08/01/2016 – 07/31/2017
Total: $1,011,441; Direct: $670,850; Indirect: $340,591

**Dr. Larry Puls: Ovarian Cancer Research Fund**
*Woman to Woman*
The Woman-to-Woman program will be created in the Center for Integrative Oncology and Survivorship to help focus and enhance programs aimed at the female patient population with gynecological cancers and like this crucial population of survivors to a platform or psychosocial deliverables that include mentoring, education, and support.
Project Dates: 09/01/2016 – 09/01/2017
Total/Direct: $50,000

**Dr. Mahmoud Rayes: National Institutes of Health via Medical University of South Carolina**
*South Carolina Collaborative Alliance for Stroke Trials (SC-CoAST)*
This year's amendment on the SC Coast Grant.
Project Dates: 08/01/2016 – 07/31/2017
Total: $17,403; Direct: $11,540; Indirect: $5,863

Department of Pediatrics

**Karen Merritt: March of Dimes Foundation**
*Cafeteria Vouchers for NICU Families*
This grant provided cafeteria vouchers for distribution to families in the NICU, particularly families whose baby/ies were in the NICU for an extended period (over two weeks).
Project Dates: 07/01/2016 – 09/30/2016
Total/Direct: $1,500

**Dr. Desmond Kelly: Fullerton Foundation**
*Expanded Collaborative Services Initiative for Autism Spectrum Disorder*
This project will expand the reach and impact of Autism Spectrum Disorder (ASD) services with evaluation and expansion of services and the establishment of a collaborative partnership initiative. The goal of the project is to improve the lives of individuals with ASD and their families in South Carolina.
Project Dates: 07/01/2016 – 06/30/2019
Total/Direct: $86,000
Dr. Lochrane Grant: The Duke Endowment via American Academy of Pediatrics
*Carolina Collaborative: Community-Pediatric Partnerships for Promotion of Child Health and Prevention of Toxic Stress*
Grant objectives include enhancing leadership capacity of pediatrics department and residency programs; strengthening partnerships with community-based organizations, sustaining improvements to pediatric training curricula; advancing child health promotion and prevention initiatives; and forming a strong regional collaborative of North and South Carolina Departments of Pediatrics for enhancement of community health training.
Project Dates: 07/01/2016 – 09/30/2018
Total/Direct: $75,000

Meg Jewell: HHS via SC Department of Health and Environmental Control
*Regional Perinatal Center*
This project serves to strengthen and expand the Regional Perinatal Center’s leadership role in the Piedmont through the continued development and maintenance of comprehensive, cohesive, and coordinated system of regional perinatal care.
Project Dates: 07/01/2016 – 06/30/2017
Total/Direct: $206,878

Roger C. Peace (RCP) Rehabilitation Hospital
Dr. Kevin Kopera: Department of Veterans Affairs
*Grant for Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces*
This 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: 09/01/2016 – 09/30/2017
Total: $60,000; Direct: $58,190; Indirect: $1,810

Dr. Elizabeth DuBose: SC Spinal Cord Injury Research Fund
*Lower Limb (Ankle) Stretching via the Vittori Device*
This study will investigate the use of the Vittori device, an innovative spasticity treatment device that is able to apply ankle stretching motions in a more controlled, precise, and safe manner to determine if controlled use of the Vittori significantly improves the range of motion of SCI patients with lower-limb spasticity. The device design originated from a project by a team consisting of students in the Clemson University Bioengineering Department and a Greenville Health System clinician (Principal Investigator) with significant design improvements made by a team of engineers (SC TAO/Spark Innovations), in consultation with experienced therapists.
Project Dates: 10/01/2016 – 09/30/2018
Total/Direct: $150,000

Bradshaw Institute for Community Child Health and Advocacy
Dr. Kerry Sease: Corporation for National and Community Service via United Way of Greenville County
*School Based Health Clinics for Middle Grades Success*
Year 2 funding for the Greenville Health System Middle Grades School Based Health Clinic project in partnership with On Track Greenville.
Project Dates: 07/01/2016 – 06/30/2017
Total/Direct: $174,000; Cost Share: $174,000
Jane Witowski: Trident United Way
*Read, Rattle, & Roll*
Read Rattle & Roll is Help Me Grow South Carolina’s new community event offering families a free and
fun opportunity to be introduced to developmental screening. The event is designed for children from
birth to 5½, as these are the age parameters for the Ages and Stages Questionnaire, Third Edition
(ASQ-3) screening tool. Parents have the opportunity to engage in guided age-appropriate
developmental play with their child(ren) while completing a developmental screening. A typical
developmental screening event lasts two to three hours and is held at various community locations.
Project Dates: 07/01/2016 – 06/30/2017
Total/Direct: $4,810

Clinical University

Cortney Easterling: Ardmore Foundation via University of South Carolina
*LMEd: Integration of Lifestyle Medicine into Medical School Curricula*
Through this grant, GHS marketing and communications personnel will support the development and
marketing of the Lifestyle Medicine (LMEd) website, provide additional social media and brand
development support, and assist in the development of strategic communication plans.
Project Dates: 01/04/2016 – 12/31/2016
Total/Direct: $21,500

Dr. Matthew Hudson: The Hope Foundation
*Optimizing Clinical Work Intensity among Medical Oncologists*
This award is a SWOG Early Exploration and Development grant, which is SEED funding, received
through GHS’ NCORP of the Carolinas grant. This project examines clinical work intensity, which is the
level of requisite skill, physical and mental effort, and clinical judgment, necessary to provide care. This
grant project attempts to extend initial investigations into clinical work intensity among medical
oncologists by including additional study sites.
Project Dates: 10/01/2016 – 09/30/2017
Total: $59,828; Direct: $44,871; Indirect: $14,957

Department of Obstetrics and Gynecology

Dr. Amy Crockett: March of Dimes Foundation
*Birth Outcomes Initiatives Clinical Lead*
Through this cooperative agreement with March of Dimes, SC, GHS, through Dr. Amy Crockett, will
engage in the Birth Outcomes Initiative to improve the health of newborns in the Medicaid program.
Project Dates: 01/01/2016 – 12/31/2016
Total/Direct: $45,000

Department of Women’s Services

Elena Huston: HHS via Children’s Trust of South Carolina
*Nurse Family Partnership Expansion Supplemental Funding*
Through this award, Nurse Family Partnership staff was able to attend the Perinatal Conference and
purchase additional program supplies including car seats for new mothers in the program.
Project Dates: 07/15/2016 – 09/30/2016
Total/Direct
VI- USCSOM Greenville Proposals
4th Quarter, Fiscal Year 2016