**Cancer Survivorship Center**

**Annual Report**

September 1st, 2016 – December 31st, 2017

**Co-Directors:** Dr. Sue Heiney & Dr. Swann Adams

**Core Faculty:** Dr. Ronit Elk, Dr. Tisha Felder, Dr. Karen McDonnell, Dr. Nathaniel Bell, Dr. Bernardino Pinto, Dr. Jennifer Hulett, and Dr. Michael Wirth

**Accomplishments:**

In the second year of the Cancer Survivorship Center, many research initiatives have been completed and a wide range of successes for the South Carolina community have been instituted. The monthly seminar series, hosted every third Wednesday in the month, continues to be a regular event on engaging the community with enlightening research and insight. Seven seminar events were hosted that covered a variety of research topics specifically aimed at cancer research. Along with the success of the forum, our center has been involved in numerous publications in the forms of books, manuscripts, and research articles for public consumption. Furthering the dissemination of knowledge on cancer is at the forefront of our focus as we look towards future endeavors as a research center as a whole. We continue to look forward to new and exciting collaborations in order to reach as many South Carolinians and beyond with our purpose to serve those affected by cancer.

**Overview by the Numbers:**

- 49 Manuscripts/Journal Articles Published
- 20 Manuscript/Journal Articles In Press
- 19 Manuscripts/Journal Articles Submitted/Under Review
- 69 Poster presentations disseminating cancer research findings
- 19 Grants awarded to center faculty
- 26 Grants submitted by center faculty
- 61 faculty/students/community members in total attendance for 5 forum events

**Forum Topics:**

- Rural Cancer Survivors: Challenges and Opportunities for Interventions (September 21st, 2016)
  - Presenter: Dr. Kathryn Weaver
- Cultural Competence in Palliative Care: Why is it Important and How can we achieve it? (November 16th, 2016)
- Technology Development as Research and as a Process (February 15th, 2017)
  - Presenter: Dr. Benjamin Schooley
- Enhancing breast cancer survivorship among socioeconomically disadvantaged women (March 15th, 2017)
  - Presenter: Dr. Tisha Felder
- When cancer is identified after trauma: what are the outcomes? (April 19th, 2017)
  - Presenter: Dr. Nathaniel Bell
- Rehabilitation for Cancer Patients (October 18th, 2017)
  - Presenter: Dr. Shana Harrington
- A Panel Discussion: Lessons Learned from a successful R01 Application (November 15th, 2017)
  - Facilitator: Dr. Sue Heiney. Panel: Dr. Bernardino Pinto, Dean Jeannette Andrew, Dr. Delia West

Publications & Articles:

Published

Dr. Swann Adams


Dr. Sue Heiney

Dr. Ronit Elk


Dr. Tisha Felder


Dr. Karen McDonnell


Dr. Nathaniel Bell


Dr. Bernardine Pinto


Dr. Jennifer Hulett


Dr. Michael Wirth

39. Mazidi M, Shivappa N, **Wirth MD**, Hébert JR, Vatanparast H, Kengne AP. The Association between Dietary Inflammatory Properties and Bone Mineral Density and


In Press

Dr. Sue Heiney


4. Parker, H, Heiney, SP, Friedman, D, Felder, T, Estrada, R E, Harris, E H, Adams, S A, How are health literacy principles incorporated into breast cancer chemotherapy education? A review of the literature", *Journal of Nursing Education and Practice*


**Dr. Ronit Elk**


**Dr. Karen McDonnell**


**Dr. Tisha Felder**


breast cancer chemotherapy education? A review of the literature.” Accepted to Journal of Nursing Education and Practice.

Dr. Nathaniel Bell


Dr. Bernardine Pinto


Dr. Jennifer Hulett


Submitted/Under Review

Dr. Swann Adams


Dr. Karen McDonnell


Practices Regarding Lung Cancer Screening in the United States – A Mixed Methods Study. 1,2


Dr. Tisha Felder


Dr. Nathaniel Bell

18. Bradly NL, Garraway N, Bell N, Simons RK, Lakha N, Martinez R, Taulu T, Hameed MD. Trauma transfer documentation in a provincial trauma system. Submitted to Injury

Dr. Jennifer Hulett


Presentations/Posters/Abstracts:

Presentations

Dr. Sue Heiney


Dr. Ronit Elk

3. “Understanding Culture at End of Life: Why is it Important and How can You Know About Your Patients’ Culture?: Lessons Learned from a Study in Rural South Carolina.” South Carolina Nurses’ Association, BlueCross BlueShield of South Carolina, December 1, 2016.

4. Interviewed for article “Unconscious Bias Requires Concentration, Consistent Effort from Providers”, by Larry Beresford. AAHPM Quarterly, Summer 2016.


11. Rural African Americans Pastors’ Perspectives on EoL Care for their Congregants: Phase 1 of a 3-Phase Pilot Study. AAHPM 2018 Annual Conference, Paper presentation. Boston, MA March 14 – 17, 2018

Dr. Karen McDonnell


20. Matthews, C. M., McDonnell, K. K., & Heiney, S. (April, 2017). Distress Screening for Patients with Cancer: A Literature Review. *USC College of Nursing Research Day*, Columbia, SC. 1,2,4


**Dr. Tisha Felder**


**Dr. Bernardine Pinto**


and Prognosis in Cancer Survivors Workshop, National Cancer Institute, Rockville, MD.


38. Lessons Learned from a Successful R01 application: Panel discussion, Cancer Survivorship Center, College of Nursing, University of South Carolina, Nov. 15, 2017.

**Abstracts**


Dr. Sue Heiney


Dr. Ronit Elk


60. O’Mahony, S., Jones, R., Mehlman, W., Scott, B., *Elk, R.*, Hinrichs, A. Guide for Palliative Medicine Taking Care of Lesbian, Gay, Bisexual and Transgender Patients Using a Whole Person Care Approach. AAHPM. 2018

Dr. Karen McDonnell


Dr. Nathaniel Bell


Dr. Bernardine Pinto


<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Account Number</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams, Swann, PI</td>
<td>11200-FA22</td>
<td>A Geospatial Investigation of Breast Cancer Treatment</td>
<td>NIH/NCI</td>
<td>09/19/2014</td>
<td>09/18/2017</td>
</tr>
<tr>
<td>Adams, Swann, Primary Sponsor</td>
<td></td>
<td>Identifying Predictors Of Racial Disparity In Treatment And Mortality Among Patients Diagnosed With Breast Cancer In South Carolina And Geospatial Investigation Of Breast Cancer Patient Navigation</td>
<td>NIH/NCI</td>
<td>9/1/2017</td>
<td>8/31/2023</td>
</tr>
<tr>
<td>Adams, Swann Co-Sponsor</td>
<td></td>
<td>Developing An Evidence-Based, Patient-Centered Evaluative Tool For Mobile Health Applications In Health Care</td>
<td>NIH/NLM/NINR</td>
<td>9/1/2017</td>
<td>8/31/2022</td>
</tr>
<tr>
<td>Adams, Swann Mentor</td>
<td></td>
<td>Sparc: Oluwole Babatunde: Racial Disparities In Diagnosis-To-Treatment Waiting Time And Receipt Of Adjuvant Hormonal Therapy Among Patients Diagnosed With Breast Cancer In South Carolina</td>
<td>USC/VPR</td>
<td>5/1/2017</td>
<td>7/31/2018</td>
</tr>
<tr>
<td>Name</td>
<td>Project Title</td>
<td>Funding Agency</td>
<td>Start Date</td>
<td>End Date</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>---------------------------------</td>
<td>------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>Adams, Swann Co-Investigator</td>
<td>Strategies For Communicating The Environmental Risks Of Cancer (SCERC)</td>
<td>NIH/NIEHS/NCI</td>
<td>12/1/2016</td>
<td>11/30/2018</td>
<td></td>
</tr>
<tr>
<td>Bell, Nathaniel, PI</td>
<td>When Cancer is Identified After Injury: What are the Outcomes?</td>
<td>HSSC</td>
<td>06/16/2014</td>
<td>06/30/2017</td>
<td></td>
</tr>
<tr>
<td>Elk, Ronit, PI</td>
<td>Culturally Tailored Goals of Care Conversations at End-of-Life</td>
<td>West Foundation</td>
<td>12/01/2016</td>
<td>12/31/2017</td>
<td></td>
</tr>
<tr>
<td>Elk, Ronit, PI</td>
<td>Culturally Tailored Conversation at EOL: What African American Patients Want Physicians to Know</td>
<td>USC Vice President for Research</td>
<td>07/01/2016</td>
<td>09/30/2017</td>
<td></td>
</tr>
<tr>
<td>Felder, Tisha</td>
<td>Education on the Go: Usability Testing of Mobile Technology to Promote Breastfeeding among African American women (Preparatory Research Work Funds)</td>
<td>USC CON</td>
<td>6/1/2017</td>
<td>5/30/2018</td>
<td></td>
</tr>
<tr>
<td>Felder, Tisha, PI</td>
<td>Improving adherence to adjuvant hormonal therapy among Disadvantaged Breast Cancer Survivors</td>
<td>NIH/NCI</td>
<td>09/01/2016</td>
<td>08/31/2017</td>
<td></td>
</tr>
<tr>
<td>PI/Co-PI</td>
<td>Grant Number</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Start Date</td>
<td>End Date</td>
</tr>
<tr>
<td>----------</td>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Heiney, Sue; Felder, Tisha; Adams, Swann; Phelps, Ken</td>
<td>11200-E245</td>
<td>Patient Centered Treatment Adherence to Hormonal Therapy</td>
<td>USCVPR – ASPIRE I</td>
<td>05/16/2014</td>
<td>09/16/2016</td>
</tr>
<tr>
<td>Pinto, Bernardine, PI</td>
<td>11200-FA24</td>
<td>Stakeholder Interviews to Inspire Moving Forward – Administrative Supplement</td>
<td>NIH/NCI</td>
<td>07/01/2016</td>
<td>09/01/2016</td>
</tr>
<tr>
<td>Pinto, Bernardine, PI</td>
<td>R01 CA 183894-01A1</td>
<td>Administrative Supplement to NCI: Speeding Research-Tested Interventions</td>
<td>NCI/NIH</td>
<td>2016</td>
<td>2017</td>
</tr>
<tr>
<td>Pinto, Bernardine, PI</td>
<td>R01 CA 183894-01A1</td>
<td>Peers Promoting Exercise Adoption and Maintenance among Cancer Survivors</td>
<td>NCI/NIH</td>
<td>2015</td>
<td>2020</td>
</tr>
<tr>
<td>Pinto, Bernardine, PI</td>
<td>11200-KA18</td>
<td>Peers Promoting Exercise Adoption and Maintenance among Cancer Survivors</td>
<td>American Cancer Society</td>
<td>11/01/2015</td>
<td>10/31/2016</td>
</tr>
<tr>
<td>Pinto, Bernardine, PI</td>
<td>11200-FA24</td>
<td>Peers Promoting Exercise Adoption and Maintenance among Cancer Survivors (Year 2)</td>
<td>NIH/NCI</td>
<td>04/01/2017</td>
<td>03/31/2018</td>
</tr>
<tr>
<td>Pinto, Bernardine, Consortium PI; Valle, Carmina, PI</td>
<td>11200-FA28</td>
<td>Promoting Physical Activity in Young Adult Cancer Survivors using mHealth and Adaptive Tailored Feedback Strategies (Subaward)</td>
<td>NIH Subaward with UNC Chapel Hill</td>
<td>02/07/2017</td>
<td>01/31/2018</td>
</tr>
<tr>
<td>Principal Investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Start Date</td>
<td>End Date</td>
<td>Requested Funding</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>--------------------------------------------------------------------------------------------</td>
<td>----------------</td>
<td>------------</td>
<td>------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Adams, Swann Co-Investigator</td>
<td>Story+ Smart Phone Application For Treatment Adherence To Endocrine Therapy In African American Women With Breast Cancer</td>
<td>NIH/NCI</td>
<td>7/1/2018</td>
<td>6/30/2020</td>
<td>$402,875</td>
</tr>
<tr>
<td>Adams, Swann, Core Leader</td>
<td>Center For Inflammation, Biobehavioral Risk Factors, And Racial Disparities In Colorectal Cancer</td>
<td>NIH/NCI</td>
<td>7/1/2018</td>
<td>8/31/2023</td>
<td>$24,382,490</td>
</tr>
</tbody>
</table>

Submitted:

Research Awards-

<p>| Hulett, Jennifer M, PI | Grant Intensive Travel and Conference Application | 2018 Oncology Nursing Society Research Grant Intensive | 2018 | 2018 |</p>
<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Start Date</th>
<th>End Date</th>
<th>Requested Funding</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams, Swann Co-Principal Investigator</td>
<td>Faith, Activity, And Nutrition: Dissemination In Underserved Communities; Sip 17-004 Assessing Lifetime Burden In Women With Metastatic Breast Cancer</td>
<td>CDC (SIP)</td>
<td>9/30/2017</td>
<td>9/29/2019</td>
<td>$497,989</td>
<td>Not Awarded</td>
</tr>
<tr>
<td>Adams, Swann Project Leader</td>
<td>Establishing Biobehavioral Risk Factors That Drive Racial Disparities In Inflammation</td>
<td>NIH/NCI</td>
<td>10/02/2017</td>
<td>9/30/2023</td>
<td>$6,702,892</td>
<td>Not Awarded</td>
</tr>
<tr>
<td>Adams, Swann Core Leader</td>
<td>Inflammation, Biobehavioral Risk Factors, And Racial Disparities In Colorectal Cancer</td>
<td>NIH/NCI</td>
<td>5/1/2017</td>
<td>4/30/2018</td>
<td>$16,523,091</td>
<td>Not Awarded</td>
</tr>
<tr>
<td>Adams, Swann Mentor</td>
<td>Chemotherapy Knowledge And Health Literacy In Women With Breast Cancer</td>
<td>Oncology Nursing Society</td>
<td>1/15/2017</td>
<td>1/14/2019</td>
<td>$4,958</td>
<td>Not Awarded</td>
</tr>
<tr>
<td>Bell, Nathaniel, PI</td>
<td>Outpatient healthcare access and TBI disparities: an innovative GIS approach</td>
<td>NIH/OBSSR</td>
<td>04/01/2017</td>
<td>03/31/2019</td>
<td>$391,714</td>
<td>Pending</td>
</tr>
<tr>
<td>Bell, Nathaniel, PI</td>
<td>Medicaid behavioral health practitioner expansion in South</td>
<td>AHRQ</td>
<td>04/01/2017</td>
<td>03/31/2019</td>
<td>$99,417</td>
<td>Pending</td>
</tr>
<tr>
<td>Principal Investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Start Date</td>
<td>End Date</td>
<td>Requested Funding</td>
<td>Status</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------</td>
<td>------------</td>
<td>-----------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Elk, Ronit, PI</td>
<td>Carolina: access and health outcomes following traumatic brain injury</td>
<td>NIH/NIA/NINR</td>
<td>09/01/2016</td>
<td>08/31/2018</td>
<td>$415,035</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Elk, Ronit, Mentor;</td>
<td>Culturally Tailored Goals of Care Conversations with Patients with</td>
<td>NIH/NIA/NINR</td>
<td>09/01/2016</td>
<td>08/31/2018</td>
<td>$415,035</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Owens, Otis L., PI</td>
<td>Advanced Cancers: What African Americans Want Physicians to Know</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elk, Ronit; Mentor;</td>
<td>The Role of Emotion in Prostate Cancer Treatment Decision Making:</td>
<td>NIH/NCI</td>
<td>09/01/2016</td>
<td>08/31/2021</td>
<td>Submitted by</td>
<td>Withdrawn</td>
</tr>
<tr>
<td>Qureshi, Zaina, PI</td>
<td>A Technological Approach</td>
<td></td>
<td></td>
<td></td>
<td>Social Work ($656,798)</td>
<td></td>
</tr>
<tr>
<td>Elk, Ronit; Mentor;</td>
<td>Eliciting Screening Preferences for Cancer Affecting the Prostate</td>
<td>NIH/NLM</td>
<td>07/01/2016</td>
<td>06/30/2021</td>
<td>Submitted by</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Qureshi, Zaina, PI</td>
<td>(ESCAPE)</td>
<td></td>
<td></td>
<td></td>
<td>Public Health ($682,975)</td>
<td></td>
</tr>
<tr>
<td>Elk, Ronit; Mentor;</td>
<td>Eliciting Screening Preferences for Cancer Affecting the Prostate</td>
<td>American Cancer Society</td>
<td>07/01/2016</td>
<td>06/30/2021</td>
<td>Submitted by</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Qureshi, Zaina, PI</td>
<td>(ESCAPE)</td>
<td>(ACS)</td>
<td></td>
<td></td>
<td>Public Health ($729,000)</td>
<td></td>
</tr>
<tr>
<td>Elk, Ronit, PI</td>
<td>Culturally Tailored Conversations at EOL: What African American</td>
<td>National Palliative Care</td>
<td>07/01/2016</td>
<td>06/30/2018</td>
<td>$154,000</td>
<td>Not Funded</td>
</tr>
<tr>
<td></td>
<td>Patients Want Physicians to Know</td>
<td>Care Research Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Principal Investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Start Date</td>
<td>End Date</td>
<td>Requested Funding</td>
<td>Status</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>--------------------------------------------</td>
<td>------------</td>
<td>------------</td>
<td>-------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Elk, Ronit, PI</td>
<td>Culturally Tailored Conversation at EOL: What African American Patients What Physicians to Know</td>
<td>USCVPR/ASPIRE II</td>
<td>07/01/2016</td>
<td>09/30/2017</td>
<td>$100,000</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Estrada, Robin, PI</td>
<td>A Patient-Centered Asthma Management Communication Intervention for Rural Latino Children</td>
<td>NIH/NHLBI</td>
<td>07/01/2016</td>
<td>06/30/2021</td>
<td>$696,894</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Estrada, Robin, Mentor; Nitsos, Alexandra, Mini-Magellan Scholar</td>
<td>Teaching Tummy Time to Expectant Latino Parents with Limited English Proficiency</td>
<td>USC Office of Undergraduate Research/Mini-Magellan</td>
<td></td>
<td></td>
<td>$1,000</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Estrada, Robin, PI; Carpenter, Delesha M., PI</td>
<td>InterACT: A Patient-Centered Asthma Management Communication Intervention for Rural Children</td>
<td>American Lung Association</td>
<td>07/01/2016</td>
<td>06/30/2018</td>
<td>$66,586</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Estrada, Robin, Consortium PI; Carpenter, Delesha M., PI</td>
<td>Comparing the effectiveness of Tailored and Generic Videos to Improve and Maintain Children's Inhaler Technique</td>
<td>NIH/NINR</td>
<td>09/01/2016</td>
<td>08/31/2018</td>
<td>$123,326</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Heiney, Sue P.; PI; Adams, Swann, Co-I</td>
<td>STORY+ Smart Phone Application for Treatment Adherence to Endocrine Therapy in African</td>
<td>NIH/NINR</td>
<td>07/01/2016</td>
<td>06/30/2018</td>
<td>$402,875</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Principal Investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Start Date</td>
<td>End Date</td>
<td>Requested Funding</td>
<td>Status</td>
</tr>
<tr>
<td>------------------------</td>
<td>-------</td>
<td>----------------</td>
<td>------------</td>
<td>----------</td>
<td>-------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>McDonnell, Karen; Andrews, J.; Pinto, B.; Heiney, S.</td>
<td>American Women with Breast Cancer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>McDonnell, Karen, Co-I; Eberth, Jan, PI</td>
<td>A Dyad-based Multiple Behavior Intervention for Reducing Lung Cancer Symptoms</td>
<td>NIH/NCI</td>
<td>09/01/2016</td>
<td>08/31/2021</td>
<td>$674,841</td>
<td>Not Funded</td>
</tr>
<tr>
<td>McDonnell, Karen, PI</td>
<td>Lung Cancer Screening: Primary Care Physician's Knowledge, Attitudes, and Practices</td>
<td>American Lung Association</td>
<td>07/01/2016</td>
<td>06/30/2018</td>
<td>Submitted by Public Health ($79,983)</td>
<td>Not Funded</td>
</tr>
<tr>
<td>McDonnell, Karen, PI</td>
<td>Dyad-based Multiple Behavior Intervention for Reducing Lung Cancer Symptoms</td>
<td>American Cancer Society</td>
<td>01/01/2017</td>
<td>12/31/2022</td>
<td>$727,018</td>
<td>Not Funded</td>
</tr>
<tr>
<td>McDonnell, Karen, PI</td>
<td>An mHealth Mindfulness-based Approach to Multiple Behavior Change and Symptom Management for Individuals with Lung Cancer</td>
<td>Bristol Myers Squibb</td>
<td>07/01/2016</td>
<td>06/30/2019</td>
<td>$1,534,782</td>
<td>Not Funded</td>
</tr>
<tr>
<td>Hulett, Jennifer, M PI</td>
<td>Exploring feasibility of a Mantram Repetition intervention in Southern breast cancer survivors</td>
<td>NIH Loan Repayment Program</td>
<td>2018</td>
<td>2023</td>
<td></td>
<td>Pending</td>
</tr>
</tbody>
</table>


### Non-research Awards-

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Start Date</th>
<th>End Date</th>
<th>Requested Funding</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heiney, Sue; Felder, Tisha; Adams, Swann, Mentors; Steck, Susan; Murphy, Angela, PIs</td>
<td>Interdisciplinary Graduate Training Program in Cancer Disparities</td>
<td>Susan G. Komen Foundation</td>
<td></td>
<td></td>
<td>Submitted by Public Health &amp; Medicine</td>
<td>Not Funded</td>
</tr>
</tbody>
</table>