

**Curriculum Vitae**

**Name:** Sarah M. Belcher, PhD, RN, OCN®

**Business Address:** 415 Victoria Building      **E-Mail Address:** sarah.belcher@pitt.edu  
3500 Victoria Street  
Pittsburgh, PA 15261

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**Education and Training**

**Undergraduate**

08/1997 – 06/2002      The Ohio State University      BSN  
Columbus, OH      Nursing

**Clinical**

08/2002 – 08/2003      Duke University Medical Center      Nursing Internship  
Durham, NC      Oncology

**Graduate and Postgraduate**

08/2013 – 08/2018      University of Pittsburgh      PhD  
Pittsburgh, PA      Nursing

09/2018 – 12/2019      Emory University      Postdoctoral Fellowship  
Atlanta, GA      Biobehavioral Oncology

05/2021 – 04/2023      University of Pittsburgh      Graduate Certificate in Health Equity  
Pittsburgh, PA      School of Public Health

**Appointments and Positions**

**Academic**

*Secondary Appointment:*

07/2023 – present      University of Pittsburgh      Assistant Professor  
School of Medicine  
Department of Medicine  
Pittsburgh, PA

06/2023 – present      University of Pittsburgh      Faculty Affiliate  
School of Medicine  
Center for Pharmaceutical Policy and Prescribing  
Pittsburgh, PA

02/2023 – present	University of Pittsburgh School of Public Health Center for Health Equity Pittsburgh, PA	Faculty Affiliate
02/2022 – present	University of Pittsburgh School of Medicine Palliative Research Center Pittsburgh, PA	Core Faculty Member
04/2020 – present	UPMC Hillman Cancer Center Biobehavioral Cancer Control Program Pittsburgh, PA	Assistant Professor / Member
<i>Primary Appointment:</i>		
01/2020 – present	University of Pittsburgh School of Nursing Pittsburgh, PA	Assistant Professor / Tenure Stream
09/2018 – 12/2019	Emory University Nell Hodgson Woodruff School of Nursing Atlanta, GA	Postdoctoral Fellow
09/2016 – 01/2018	University of Pittsburgh Pittsburgh, PA PI: Nilsen, M	Graduate Research Assistant
05/2015 – 08/2015	University of Pittsburgh Pittsburgh, PA PI: Campbell, G	Graduate Research Assistant
01/2014 – 08/2014	University of Pittsburgh Office of Community Partnerships Pittsburgh, PA	Graduate Nursing Intern
08/2013 – 07/2015	University of Pittsburgh Dept. of Acute & Tertiary Care Pittsburgh, PA	Clinical Instructor and Teaching Assistant
<b>Non-Academic</b>		
03/2012 – 05/2013	University Hospitals Seidman Cancer Center Cleveland, OH	Nurse Manager Med Onc/Benign Heme
05/2011 – 03/2012	University Hospitals Seidman Cancer Center Cleveland, OH	Assistant Nurse Manager Med Onc/Benign Heme

2009 – 2011	The Ohio State University James Cancer Hospital Columbus, OH	Staff Nurse Acute Leuk/Progressive Care Unit
2003 – 2009	The Ohio State University James Cancer Hospital Columbus, OH	Staff Nurse Heme Malignancy
2003 – 2006	Ohio Health Kobacker House Columbus, OH	Contingent RN Inpatient Hospice
2002 – 2003	Duke University Medical Center Durham, NC	Clinical Nurse and Oncology Nursing Intern Bone Marrow Transplant
2000 – 2002	The Ohio State University James Cancer Hospital Columbus, OH	Student Nursing Assistant Surg Onc

**Licensure and Certification**

2020 – present	RN647946	PA
2018 – 2020	RN280050	GA
2013 – 2018	RN647946	PA
2003 – 2013	RN307151	OH
2002 – 2003	RN184838	NC
2009 – present	Oncology Certified Nurse (OCN®)	Oncology Nursing Certification Corporation
1999 – present	Healthcare Provider BLS	American Heart Association

**Membership in Professional and Scientific Societies**

2020 – present	European Society for Patient Adherence (ESPACOMP) 2024 – present: Annual conference planning committee member 2023 – present: Task force to evaluate patient reported measures of medication adherence 2023 – present: Task force to develop recommendations to improve the design and definition of complex medication adherence interventions 2021 – present: Early Career Researcher (ECR) Network Member
2002 – present	Sigma 2020 – present: Eta chapter, Pittsburgh, PA

- 2021 – present: Research Awards Grant Reviewer
- 2018 – 2020: Alpha Epsilon chapter, Atlanta, GA
- 2014 – 2018: Eta chapter, Pittsburgh, PA
- 2002 – 2014: Epsilon chapter, Columbus, OH
  
- 2019 – present    Multinational Association of Supportive Care in Cancer
  - 2023 – present: Emerging Toxicities Study Group
  - 2019 – present: Psychosocial Study Group
  - 2019 – present: Survivorship Study Group
  - 2024 – present: Task force to examine the influence of socioeconomic position on outcomes and care experiences of cancer survivors
  - 2019 – 2023: Palliative Care Study Group
  
- 2018 – 2020        International Society of Quality of Life Research
  
- 2016 – 2018        International Society of Nurses in Cancer Care
  
- 2002 – present    Oncology Nursing Society
  - National Level:
    - 2023 – 2024: Committee to Establish 2024-2027 ONS Research Priorities
    - 2021 – 2022: Committee to develop ONS Guidelines to Support Patient Adherence to Oral Anticancer Medications;  
Role: invited subject matter expert and nurse lead
    - 2021 – 2022: Oral Anticancer Medication Toolkit revisions;  
Role: focus group participant
    - 2022: Oncology Nursing Foundation, PhD Scholarship reviewer
    - 2017: Capitol Hill Days advocacy participant, Washington, D.C.
  - Local Level:
    - 2020 – present: Greater Pittsburgh chapter
    - 2018 – 2020: Metro-Atlanta chapter
      - 2020: Program Speaker
    - 2013 – 2018: Greater Pittsburgh Chapter
      - 2017 – 2018: Health Policy Committee
      - 2017: Chapter Representative at Capital Hill Days
      - 2015 – 2018: Social Media Site Administrator
      - 2015 – 2017: Director at Large
      - 2015 – 2017: Program Planning Committee
      - 2015 – 2017: CEU Nurse Planner
    - 2002 – 2013: Columbus chapter
  
- 2020 – present    Oncology Nurse Scientist Collaborative
  
- 2020 – 2023        Palliative Research Cooperative
  
- 2019 – 2020        Hospice and Palliative Nurses Association

- 2015 – present American Society of Clinical Oncology  
2024 – present: Full Member  
2018 – 2020: Full Member, Early Career  
2015 – 2018: Student Member  
2016: Featured Voice (on social media), Cancer Survivorship Symposium
- 2015 – 2018 American Association of Colleges of Nursing  
2015 – 2018: Graduate Nursing Student Academy
- 2017 – 2020 American Nurses Association  
2017 – 2019: Pennsylvania State Nurses Association  
2017 – 2019: Pennsylvania District 06
- 2014 – 2018 Eastern Nursing Research Society
- 2022 – present Palliative Research Center, University of Pittsburgh School of Medicine, Core Faculty  
2023 – present: Secondary Academic Appointment, School of Medicine, Department of Medicine  
2022 – 2023: Gleitsman Student Diversity in Palliative Care Award (program to provide mentored palliative care research experience to first-year medical students from backgrounds underrepresented in medicine);  
Role: Research Mentor
- 2020 – present UPMC Hillman Cancer Center, Biobehavioral Cancer Control Program, Full Member

### Honors

- 07/2023 – 02/2024 Loan Repayment Program Awardee (2L30CA263713-02)  
Extramural Loan Repayment Program for Clinical Researchers  
National Cancer Institute
- 06/2023 Travel Grant  
Robert Wood Johnson Foundation, Future of Nursing Scholars
- 09/2022 Graduate Faculty appointee  
University of Pittsburgh
- 07/2022 – 07/2023 Supporting Our Scientists awardee for clinical researchers (2021382-OF)  
University of Pittsburgh Schools of Health Sciences in partnership with the Doris Duke Foundation and the American Heart Association

- 07/2022 – 06/2023 Mothers Leading Science scholar  
Clinical and Translational Science Institute & Institute for Clinical  
Research Education  
University of Pittsburgh
- 07/2021 – 06/2023 Loan Repayment Program awardee (1L30CA263713-01)  
Extramural Loan Repayment Program for Clinical Researchers  
National Cancer Institute
- 06/2021 – 07/2022 Early Career Reviewer (ECR) program participant  
Center for Scientific Review, National Institutes of Health
- 06/2019 2019 Outstanding Trainee Award, Survivorship Study Group  
Multinational Association of Supportive Care in Cancer
- 04/2019 Outstanding Scholarship Poster Award,  
graduate and postgraduate category, Alpha Epsilon chapter of Sigma
- 03/2019 Judy Lentz Scholarship for the Advancement of Palliative Care in  
Oncology Nursing, Hospice & Palliative Nurses Foundation
- 06/2017 1<sup>st</sup> Place Poster Award, Population Sciences Cancer Research  
University of Pittsburgh Cancer Institute
- 06/2017 Abstract selected for Lightning Rounds presentation, Population Sciences  
Cancer Research, University of Pittsburgh Cancer Institute
- 05/2017 PhD Scholarship, Nightingale Awards of Pennsylvania
- 03/2017 Doctoral Degree Scholarship in Cancer Nursing, American Cancer Society
- 02/2017 Conference Scholarship, Oncology Nursing Society Foundation
- 08/2016 Travel Grant, University of Pittsburgh Graduate and Professional Student  
Government
- 04/2016 Travel Grant, University of Pittsburgh Graduate Nursing Student  
Organization
- 12/2015 Joseph Schafer Award for volunteerism, Greater Pittsburgh Chapter of  
Oncology Nursing Society
- 12/2015 Exemplar Award for practice that has made a difference in the life of a  
cancer patient, Greater Pittsburgh Chapter of Oncology Nursing Society
- 07/2015 Robert Wood Johnson Foundation Future of Nursing Scholars awardee

06/2015	2 <sup>nd</sup> Place Poster Award, Population Sciences Cancer Research University of Pittsburgh Cancer Institute
02/2015	Travel Grant, University of Pittsburgh Graduate Nursing Student Organization
09/2014	Bessie Li Sze Memorial Scholarship for academic achievement in oncology, University of Pittsburgh School of Nursing
03/2013	Sally Ann Shipley Award for excellence and leadership in patient safety and quality, University Hospitals Case Medical Center
05/2007	Nursing Clinical Excellence Award, The Ohio State University, James Cancer Hospital
2002	Sigma international nursing honor society inductee
1998	National Society of Collegiate Scholars, inductee

### Publications

\* = Data Based; ^ = First Author; § = Senior Author; underlined = trainee or student; + = invited

#### **Refereed Articles**

1. \* Rosenzweig MQ, **Belcher SM**, Braithwaite L, Cuaron L, Fischer-Carlidge E, Lally R, Linder L, Meyeran T, Ogunkunle R, Pierce E, Gondim de Almeida N, Song L, & Wickersham K (in press). The Oncology Nursing Society's Research Priorities 2024-2027. *Oncology Nursing Forum*.
2. \* Yeager KA, Rosa WE, **Belcher SM**, Lee S, Lee H, Bruner DW, & Maghani SH (2024). A qualitative study of the pain experience of Black individuals with cancer taking long-acting opioids. *Cancer Nursing*, 47 (2), E73-E83. doi:10.1097/NCC.0000000000001197
3. \* Ray M, Wallace MK, Grayson SC, Cummings M, Davis JA, Scott J, **Belcher SM**, Davis T, & Conley YP (2023). Epigenomic links between social determinants of health and symptoms: A scoping review. *Biological Research for Nursing*, 25 (3), 404-416. doi:10.1177/10998004221147300
4. \* Morris JL, **Belcher SM**, Jeon B, Godzik CM, Imes CC, Luyster F, Sereika SM, Scott PW, & Chasens ER (2023). Financial hardship and its associations with perceived sleep quality in participants with type 2 diabetes and obstructive sleep apnea. *Chronic Illness*, 19 (1), 197-207. doi: 10.1177/17423953211065002
5. \*<sup>^</sup> **Belcher S**, Lee H, Nguyen J, Curseen KL, Lal A, Zarrabi AJ, Gantz L, Rosenzweig MQ, Hill JL, & Yeager K (2023). Financial hardship and quality of life among patients with advanced cancer receiving outpatient palliative care: A pilot study. *Cancer Nursing*, 46 (1), 3-13. doi: 10.1097/NCC0000000000001052

6. \* Campbell GB, **Belcher SM**, Lee YJ, Courtney-Brooks M, Bovbjerg DH, Bizhanova Z, & Donovan HS (2022). Intensive daily symptom and function monitoring is feasible and acceptable to women undergoing first line chemotherapy for gynecologic cancer. *Cancer Nursing*, 45 (5), 369-377. doi:10.1097/NCC.0000000000001042
7. \*^ **Belcher SM**, Mackler E, Muluneh B, Ginex P, Anderson MK, Bettencourt E, DasGupta RK, Elliott J, Hall E, Karlin M, Kostoff D, Marshall VK, Millisor VE, Molnar M, Schneider SM, Tipton J, Yackzan S, LeFebvre KB, Sivakumaran K, Waseem H, & Morgan R (2022). ONS Guidelines™ to support patient adherence to oral anticancer medications. *Oncology Nursing Forum*, 49 (4), 279-295. doi:10.1188/22.ONF.279-295  
**Published in the ECRI Guidelines Trust,® a repository for objective, evidence-based clinical practice guideline content to advance safe and effective patient care.**
8. Sivakumaran K, Ginex PK, Waseem H, **Belcher SM**, Lagler-Clark S, LeFebvre K, Palmer N, Pasumarthi T, & Morgan RL (2022). Domains of structured oral anti-cancer medication programs: A scoping review. *Oncology Nursing Forum*, 49 (4), 296-306. doi:10.1188/22.ONF.296-306
9. \* Thomas TH, Campbell GB, Lee YJ, Roberge MC, Kent EE, Steel JL, Posluszny DM, Arida JA, **Belcher SM**, Sherwood PR, & Donovan HS (2021). Priorities to improve cancer caregiving: Report of a caregiver stakeholder workshop. *Supportive Care in Cancer*, 29 (5), 2423-2434. doi: 10.1007/s00520-020-05760-y
10. \* Bai J, **Belcher SM**, Meador R, Daniel G, Shelton JW, Patel P, Dolan M, Arluck J, Khanna N, Horowitz I, Liu T, & Bruner DW (2021). Comparisons of depression, sexual function, and quality of life between women with gynecological cancers and race-matched healthy controls. *Cancer Nursing*, 44 (2), 116-124. doi:10.1097/NCC.0000000000000744
11. \*^ **Belcher SM**, Bruner DW, Hofmeister CC, Kweon J, Meghani SH, & Yeager KA (2020). Characterizing pain experiences: African American patients with multiple myeloma taking around-the-clock opioids. *Clinical Journal of Oncology Nursing*, 24 (5), 538-546. doi:10.1188/20.CJON.538-546
12. \*^ **Belcher SM**, Donovan HS, Sherwood PS, Bovbjerg DH, Campbell GB, & Sereika SM (2020). Psychobehavioral risks factors for financial hardship and poor functional outcomes in survivors of multiple primary cancers. *Psycho-Oncology*, 29 (3), 507-516. doi:10.1002/pon.5293
13. §+ Thomas T, Hughes T, Mady LJ, & **Belcher SM** (2019). Financial toxicity: A review of the literature and nursing opportunities. *Clinical Journal of Oncology Nursing*, 23 (5), 5-13. doi:10.1188/19.CJON.S2.5-13
14. \* Hand LC, Thomas TH, **Belcher SM**, Campbell G, Lee YJ, Roberge M, & Donovan HS (2019) Defining essential elements of caregiver support in gynecologic cancers utilizing the modified Delphi Method. *Journal of Oncology Practice*, 15 (4), e369-e381. doi:10.1200/JOP.18.00420



15. Rosenzweig MQ, Nugent B, **Belcher SM**, Welsh A, & Aitken L (2019) When the patient has cancer: Effective nurse communication in the non-oncology setting about neutropenic fever. *Medsurg Nursing*, 28 (3), 157-162.
16. \* Hand LC, Thomas TH, **Belcher S**, Campbell G, Lizaso C, Yee YJ, Roberge M, Lizaso C, Sparacio D, & Donovan HS (2018). Caregiving is a marathon not a road race: Re-envisioning caregiver support services in gynecologic oncology. *International Journal of Gynecological Cancer*, 28 (9), 1722-1727. doi:10.1097/IGC.0000000000001360
17. \*^ **Belcher SM**, Hausmann EA, Cohen SM, Donovan HS, & Schlenk EA (2017). Examining the relationship between multiple primary cancers and psychological distress: A review of current literature. *Psycho-Oncology*, 26 (12), 2030-2039. doi:10.1002/pon.4299
18. \*^ **Belcher SM**, Low CA, Posluszny DM, Schear R, Kramer RE, & Donovan HS (2017). Psychological distress, health behaviors, and benefit finding in survivors of multiple primary cancers: Results from the 2010 Livestrong survey. *Oncology Nursing Forum*, 44 (6), 703-711. doi:10.1188/17.ONF.703-711
19. \* Hagan TL, **Belcher SM**, & Donovan HS (2017). Mind the mode: Differences in paper vs. web-based survey modes among women with cancer. *Journal of Pain and Symptom Management*, 54 (3), 368-375. doi:10.1016/j.jpainsymman.2017.07.005

#### Published Abstracts

1. \*^ **Belcher SM**, Sereika SM, Dunbar-Jacob J, Yeager KA, Rosenzweig MQ, Agha M, Muluneh B, Sabik L, Copeland VC, McGregor S, & Bender C (2024). Patterns and predictors of electronically measured oral anticancer medication (OAM) adherence among patients with multiple myeloma (MM). *Journal of Clinical Oncology*, 42 (Suppl 16; abstr 7547). doi:10.1200/JCO.2024.42.16\_suppl.7547  
Poster presentation at the 2024 ASCO Annual Meeting, Chicago, IL, May 31-June 4, 2024.
2. \* Rosenzweig MQ, **the ONS Priority Team**, & Fisher-Carlidge E (2024). The development of the 2024 Oncology Nursing Society Research Priorities. *Oncology Nursing Forum*, 51 (2), E3, 55. doi:10.1188/24.ONF.E3  
Poster presentation at the 49<sup>th</sup> Oncology Nursing Society Annual Congress, Washington, D.C., April 24-28, 2024.
3. \* Thomas TH, Rosenzweig MQ, Donovan HS, Sherwood PR, Wesmiller SW, Fennimore LA, **Belcher SM**, Tan K, & Bender CM (2024). Sustaining a collaborative oncology nurse research program: Lessons from 25 years of leadership in oncology nursing research [RS78]. *Oncology Nursing Forum*, 51 (2), E2, 364-365. doi: 10.1188/24.ONF.E2  
Poster presentation at the 49<sup>th</sup> Oncology Nursing Society Annual Congress, Washington, D.C., April 24-28, 2024.

4. \* Jin R, Bai J, Paul S, Graetz I, **Belcher S**, & Yeager KA (2024). Financial toxicity, coping strategies, and psychoneurological symptoms in adult survivors of chronic myeloid leukemia survivors: A structural equation model analysis [05]. *Oncology Nursing Forum*, 51 (2), E1, 52-53. doi: 10.1188/24.ONF.E1  
**Oral presentation** at the 49<sup>th</sup> Oncology Nursing Society Annual Congress, Washington, D.C., April 24-28, 2024.
5. \* Thaker PH, **Belcher S**, Orr B, Taylor S, Thomas TL, & Donovan TL (in press). The impact of financial hardship on symptoms and quality of life in recurrent ovarian cancer. *Gynecologic Oncology*. Epub ahead of print.  
**Focused plenary oral presentation** at the Society of Gynecologic Oncology (SGO) 2024 Annual Meeting on Women's Cancer, San Diego, CA, March 16-18, 2024.
6. \*<sup>^</sup> **Belcher S**, Sereika SM, Dunbar-Jacob J, Yeager KA, Rosenzweig MQ, Scott P, Muluneh B, Copeland V, Peipert JD, & Bender C (2024). Concordance between PROMIS® Medication Adherence Scale (PMAS) and electronic event monitoring (EEM) among patients on oral anticancer medication (OAM) for multiple myeloma [ESPACOMP-23-OP6.4]. *International Journal of Clinical Pharmacy*. Epub ahead of print.  
doi:10.1007/s11096-023-01688-5  
**Oral presentation** at ESPACOMP 2023, Budapest, Hungary, November 30-December 1, 2023.
7. \*<sup>^</sup> **Belcher S**, Scott P, Dunbar-Jacob J, Yeager KA, Rosenzweig MQ, Sereika SM, Agha M, Muluneh B, Sabik L, Copeland V, Peipert JD, McGregor S, & Bender C (2024). Psychometric evaluation of the PROMIS® Medication Adherence Scale (PMAS) among patients on oral anticancer medication (OAM) for multiple myeloma [ESPACOMP-23-OP6.3]. *International Journal of Clinical Pharmacy*. Epub ahead of print.  
doi:10.1007/s11096-023-01688-5  
**Oral presentation** at ESPACOMP 2023, Budapest, Hungary, November 30-December 1, 2023.
8. \* Gentry A, Sereika S, Erickson K, McCall M, **Belcher S**, & Bender C (2023). Neighborhood disadvantage is associated with poorer objective and self-reported pre-therapy neurocognitive function in postmenopausal women with early-stage breast cancer. *Oncology Nursing Forum*, 50 (2), 2. doi:10.1188/23.ONF.E3  
**Oral presentation** during the Oncology Nursing Society 48<sup>th</sup> Annual Congress “**Best of Research Abstracts**” session, San Antonio, TX, United States, April 26-30, 2023.
9. \*§ Green C, Yeager KA, Curseen KA, Shenker Y, & **Belcher SM** (2023). Patient-provider communication and cancer-related financial hardship in the context of serious illness. (Sch449). *Journal of Pain and Symptom Management*, 65 (5), e605-e606.  
doi:10.1016/j.jpainsymman.2023.02.186  
Poster presented at the Annual Assembly of Hospice and Palliative Care, Montreal, Canada, March 22-25, 2023.

10. \*§ Green C, Yeager KA, Curseen KA, Thomas TH, & **Belcher SM** (2022). Patient-provider communication and cancer-related financial hardship in the context of serious illness. Poster presented at the 4<sup>th</sup> Annual Palliative Research Center (PaRC) Retreat, Pittsburgh, PA, October 13, 2022, available at <https://www.palcare.pitt.edu/2022-retreat-posters/>
11. \* Morris JL, Baniak L, **Belcher SM**, Imes C, Luyster F, Scott PW, Sereika SR, & Chasens ER (2020). Perceived financial difficulty predicts sleep quality in participants with type 2 diabetes and obstructive sleep apnea. *SLEEP*, 43 (Supplement 1), A401. doi: 10.1093/sleep/zsaa056.1052  
Presented virtually at Sleep 2020, the 34<sup>th</sup> annual meeting of the Associated Professional Sleep Societies.
12. \*^ **Belcher S**, Curseen KL, Lal A, Nguyen J, Gantz L, & Yeager K (2020). Exploring financial hardship and quality of life in patients with advanced cancer in the ambulatory palliative care setting. *Oncology Nursing Forum*, 47 (2), 243. doi: 10.1188/20.ONF.E56  
**Selected among top-scoring research abstracts for moderated poster presentation at Oncology Nursing Society 45<sup>th</sup> Annual Congress**  
*Meeting cancelled due to COVID-19; e-poster displayed at ONS Bridge virtual conference.*
13. \*^ **Belcher S**, Donovan H, Bovbjerg D, Campbell G, Sherwood P, & Sereika S (2019). Characterizing psychobehavioral risks in survivors of multiple primary cancers [Abstract eP547]. *Supportive Care in Cancer*, 72 (Supplement 1), S213. doi:10.1007/s00520-019-04813-1  
**2019 Outstanding Trainee Award**, Survivorship Study Group, Multinational Association of Supportive Care in Cancer/International Society of Oral Oncology Annual Meeting
14. \* Donovan HS, Campbell G, **Belcher SM**, & Bovbjerg, D. (2019). Prevalence and predictors of post-treatment peripheral neuropathy in survivors of cancer: Results from the 2010 LIVESTRONG survey [Abstract eP719]. *Supportive Care in Cancer*, 72 (Supplement 1), S273. doi:10.1007/s00520-019-04813-1
15. \* Campbell G, **Belcher S**, Lee YJ, Roberge M, Thomas T, & Donovan H (2019). Social role disability among adult cancer survivors: Results from the 2010 LIVESTRONG survey [Abstract eP631]. *Supportive Care in Cancer*, 72 (Supplement 1), S242. doi:10.1007/s00520-019-04813-1
16. \* Nilsen M, Bender C, **Belcher S**, Lyu L, Harrison C, & Johnson J (2019). Self-reported cognitive impairment and correlates in long-term head and neck cancer survivors. *Oncology Nursing Forum*, 46 (2), 37. doi:10.1188/19.ONF.E74
17. \* Hand L, Campbell G, Hagan T, Lee YJ, **Belcher SM**, Roberge M, & Donovan HAS (2018). Essential elements of caregiver support in gynecologic oncology [Abstract 160]. *Journal of Clinical Oncology*, 36 (30\_suppl), 160.
18. \*^ **Belcher S**, Campbell G, Hagan T, Lee YJ, Lersch NM, & Roberge M. (2018). A comparison of the unmet needs of gynecologic cancer survivors with a history of one versus multiple primary cancers [Abstract 436]. *Oncology Nursing Forum*, 45 (2), 245. doi:10.1188/18.ONF.E34

19. \* Wang L, **Belcher S**, & Donovan H (2018). Cross-cultural comparison between United States and Chinese survivors of recurrent ovarian cancer [Abstract 512]. *Oncology Nursing Forum*, 45 (2), 286. doi:10.1188/18.ONF.E34
20. \* Nilsen ML, **Belcher S**, Donovan HS, Klem ML, Morrison A, Sereika SM, & Johnson JT (2018). Late and long-term effects among survivors of head and neck cancer at least 5 years posttreatment: A systematic review. *International Journal of Radiation Oncology, Biology, Physics*, 100 (5), 1401.
21. \*<sup>^</sup> **Belcher SM**, Sereika SM, Mattos MK, Hagan TL, & Donovan HS (2017). Comparison of symptoms and quality of life in recurrent ovarian cancer by rural/urban residence: Ancillary analysis of GOG-0259. *International Journal of Gynecological Cancer*, 27 (Supplement 4), 1433.
22. \*<sup>^</sup> **Belcher SM**, Sereika SM, Dodson Z, Mattos MK, Hagan TL, & Donovan HS (2017). Comparison of rural versus urban residence for symptoms and quality of life in women with advanced ovarian cancer: Baseline analysis of GOG-0259, an NRG Oncology/GOG study. *Journal of Clinical Oncology*, 35 (15\_Supplement), e18083. doi:10.1200/JCO.2017.35.15\_suppl.e1803
23. \* Sherwood P, Ren D, Given CW, Donovan H, Weimer J, **Belcher S**, & Given B (2016). The impact of caregivers' depression on their physical health. *Psycho-Oncology*, 25 (Special Supplement S3), 24. doi: 10.1002/pon.4272
24. \*<sup>^</sup> **Belcher S**, Low C, Posluszny D, & Donovan H (2016). Correlates of psychological distress, health behaviors, and benefit finding in survivors of multiple primary cancers: Results from the 2010 LIVESTRONG Survey [Abstract A-61]. *8th Biennial Cancer Survivorship Research: Innovation in a Rapidly Changing Landscape Abstract Book*, 41-42. Retrieved from: [www.cancer.org/subsites/Survivorship2016/2016biennialabstractbook](http://www.cancer.org/subsites/Survivorship2016/2016biennialabstractbook)
25. \*<sup>^</sup> **Belcher SM**, Klem ML, Cohen SM, Hausmann E, Donovan HS, & Schlenk EA (2016). Examining the relationship between multiple primary cancers and cancer-related distress: A systematic literature review. *Journal of Clinical Oncology*, 34 (Supplement 3S), 214. doi:10.1200/jco.2016.34.3\_suppl.214
26. \*<sup>^</sup> **Belcher S**, Arida J, Campbell G, Hagan T, Skrovanek E, & Donovan HS (2015). Exploring well-being, social support, and financial vulnerability in women with recurrent ovarian cancer who report more than one primary cancer diagnosis within the past 3 years. *Nursing Research*, 64 (2), E68. doi: 10.1097/NNR.0000000000000089
27. \*<sup>^</sup> Skrovanek E, Hagan T, Campbell G, **Belcher S**, Arida J, Ackison G, & Donovan H (2015). Influence of causal attributions on cancer-related distress. *Nursing Research*, 64 (2), E126-E127. doi: 10.1097/NNR.0000000000000089
28. \* § Miano WR, Silverman P, Colella F, McQuigg B, Hines H, Ciarallo S, Whittington L, & **Belcher S** (2012). Elective chemotherapy admission pilot and work-flow improvements to reduce excess days [Abstract 101]. *Journal of Clinical Oncology*, 30 (Supplement 34). doi: 10.1200/jco.2012.30.34\_suppl.101

### **Book Chapter, peer reviewed**

1. <sup>^+</sup> **Belcher S** & Bruner DW (2021). Sexual function and dysfunction. In McQuestion M, Drapek LC, & Witt ME (Eds.). *Manual for radiation oncology nursing practice and education* (5<sup>th</sup> ed., pp. 68-79). Oncology Nursing Society.

### **Other Publication**

1. Corral-Partearroyo C, Araujo-Soares V, Vinogradov R, Serhal S, Dima A, Van der Laan A, & Belcher SM (2024, July 1). How are interventions to improve medication adherence in cardiovascular diseases described in systematic reviews and meta-analyses of intervention evaluation studies? An umbrella review. Available from Open Science Forum. Retrieved from: <https://doi.org/10.17605/OSF.IO/TGCQ4>
2. <sup>\*^</sup> **Belcher SM** (2018). Characterizing psychobehavioral risks in survivors of multiple primary cancers (Order No. 13819735) [Doctoral dissertation, University of Pittsburgh]. Available from ProQuest Dissertations & Theses A&I; ProQuest Dissertations & Theses Global. (2162594669). Retrieved from: <https://search.proquest.com/docview/2162594669>
3. Corral-Partearroyo C, **Belcher SM**, Dima A, Serhal S, Vinogradov R, van der Laan A, & Araujo-Soares V (2024). How are interventions to improve medication adherence in cardiovascular diseases described in systematic reviews and meta-analyses of intervention evaluation studies? An umbrella review [Systematic review protocol]. *Open Science Framework*. Retrieved from: <https://osf.io/tgcq4>

## **Research**

### **Principal Investigator**

National Cancer Institute, R01CA292925

Identifying Multi-Level Predictors and Outcomes of Oral Anticancer Medication Adherence Initiation and Persistence among Patients with Hematologic Malignancies

08/01/2024 – 07/31/2029, 35% Effort

Total Award: \$3,183,398

Center for Research and Education, University of Pittsburgh School of Nursing,  
Pilot/Feasibility Study Program

Exploring Biological Pathways Associated with Symptoms and Adherence to Oral Anticancer Medications among Patients with Multiple Myeloma

01/01/2023 – 12/31/2023

Total Award: \$14,990

National Institute of Nursing Research, K23NR019296

Understanding Oral Anticancer Medication Adherence among Patients with Multiple Myeloma

08/01/2020 – 07/31/2023, 75% Effort

08/01/2023 – 07/31/2024, No Cost Extension

Total Award: \$368,124

Alpha Epsilon chapter of Sigma

Examining the Relationship between Economic Hardship and Quality of Life in Patients with Multiple Myeloma

06/04/2019 – 06/03/2020

Total Award: \$1,000

Nightingale Awards of PA, PhD Scholarship

Characterizing Psychobehavioral Risks in Survivors of Multiple Primary Cancers

08/01/2017 – 07/31/2018

Total Award: \$3,500

American Cancer Society, DSCN-17-077-01-SCN

Characterizing Psychobehavioral Risks in Survivors of Multiple Primary Cancers

07/01/2017 – 06/30/2018

Total Award: \$15,000

Margaret E. Wilkes Scholarship, University of Pittsburgh School of Nursing

Examining Predictors of Self-Management and Correlates among Biobehavioral Mechanisms Influencing Health Outcomes in Adults with Multiple Primary Cancers

09/2016 – 06/2018

Total Award: \$4,421

Newmeyer-Thompson Doctoral Student Award, University of Pittsburgh School of Nursing

Examining the Relationship between Multiple Primary Cancers, Psychological Distress, and Health Promotion Behaviors: A Secondary Data Analysis of the 2010 LIVESTRONG Dataset

09/01/2015 – 08/31/2016

Total Award: \$533

### **Co- Principal Investigator**

Co-PIs: Belcher and Yeager, Emory University

Center for Nursing Excellence in Palliative Care, Nell Hodgson Woodruff School of Nursing, Emory University #NEPC-2018-01

Examining the Relationship between Economic Hardship and Quality of Life in the Outpatient Oncology Palliative Care Setting: A Pilot Study

04/01/2019 – 03/31/2020

Total Award: \$14,898

### **Training Faculty/Mentor**

PI = DeVito Dabbs, University of Pittsburgh

National Institute of Nursing Research, #2T32NR008857-16A1

Technology Research in Chronic & Critical Illness

07/01/2005 – 06/30/2027

Role: Mentoring Faculty Affiliate, 09/2024 – 8/2026

Total Costs: \$1,261,927

**Trainee**

PI = Song/Yang, Emory University  
National Institute of Nursing Research, #3P30NR018090-02S2  
Pilot for Center for the Study of Symptom Science, Metabolomics and Multiple Chronic  
Conditions: Oral Health, Inflammation, and the Risk of Mild Cognitive Impairment among  
Cancer Caregivers  
09/01/2019 – 08/31/2020  
Role: Postdoctoral Fellow, 5% Effort  
Total Costs: \$338,019

PI = Cohen, University of Pittsburgh  
Robert Wood Johnson Foundation and University of Pittsburgh School of Nursing  
Future of Nursing Scholars  
08/01/2015 – 06/30/2018  
Role: Trainee during funding period 08/01/2015 – 06/30/2018  
Total Costs: \$125,000

**Other**

MPI = Davis, Rubio, & Weisz, University of Pittsburgh  
The Doris Duke Foundation, in partnership with the University of Pittsburgh and the American  
Heart Association, #202182-OF  
Supporting our Scientists: Fund to Retain Clinical Scientists at the University of Pittsburgh  
10/01/2021 – 09/30/2024  
Role: Awardee, funding period 06/08/2022 – 06/30/2024  
Total Costs: \$43,000

**Other Scholarly Activities**

**Grant Reviewer**

05/2024	Centers for Disease Control National Center for Chronic Disease Prevention and Health Promotion Special Emphasis Panel: Project Competitive Supplements (SIPS), Cancer Prevention and Control Research Network (CPCRN)
03/2023	Netherlands Organization for Health Research and Development (ZonMw), Health Care Efficiency Research Programme
08/2022	University of Pittsburgh School of Nursing Doctoral Student Research Awards
07/2022	National Institutes of Health Risk, Prevention and Health Behaviors (RPHB) Integrated Review Group Small Business Disease Management, Risk Prevention, and Health Behavior Change review panel

2021 – 2022 Center for Scientific Review (CSR) Early Career Reviewer (ECR) program participant, National Institutes of Health

2021 – present Eta chapter, Sigma Theta Tau International Honor Society of Nursing

### Manuscript Reviewer, ad hoc

<i>Cancer</i>	12/2019; 03/2020; 05/2020
<i>Health Psychology</i>	02/2019
<i>Health Psychology Open</i>	11/2019; 09/2021
<i>Journal of Applied Biobehavioral Research</i>	07/2018
<i>Journal of the National Comprehensive Cancer Network</i>	05/2020; 01/2021
<i>Journal of Cancer Survivorship</i>	04/2023; 06/2023
<i>Journal of Oncology Practice</i>	07/2019; 11/2019; 01/2020
<i>PLOS One</i>	11/2020; 3/2021
<i>Psycho-Oncology</i>	03/2018; 02/2020

Verified summary of peer reviews: <https://publons.com/researcher/1431705/sarah-m-belcher/>

### Abstract Reviewer

08/2021 American Association of Cancer Education, 2021 International Cancer Education Conference

10/2022 University of Pittsburgh selection of PhD program representative for Eastern Nursing Research Society (ENRS)

### Award Reviewer

02/2022 Oncology Nursing Foundation, Doctoral (PhD) Research Academic Scholarship

### Unpublished Presentations

### International

1. \* Skrovanek E, Hagan T, Campbell G, **Belcher S**, Arida J, Ackison G, & Donovan H. (2015, May 2015). *Causal attributes of ovarian cancer*. [Oral presentation]. 1<sup>st</sup> Annual International Conference for Nursing, Athens, Greece.

### National

1. \*§ Snyder A, Lustyik A, Klein S, & **Belcher SM** (2024, April 8-10). Higher depression is associated with lower self-reported adherence among patients with multiple myeloma taking oral anticancer medications (OAM) [Oral presentation]. National Council on Undergraduate Research (NCUR) 2024, Long Beach, CA, United States.
2. \*§ Lustyik A, Snyder A, Klein S, & **Belcher SM** (2024, April 8-10). Higher neighborhood deprivation is associated with higher symptom severity and distress among survivors of multiple primary cancers [Oral presentation]. National Council on Undergraduate Research (NCUR) 2024, Long Beach, CA, United States.



3. Hand L, Campbell G, Hagan T, Lee YJ, **Belcher SM**, Roberge M, & Donovan HSA. (2018, November 15-18). *Navigation as an essential element of caregiver support in gynecologic oncology* [Poster presentation]. Academy of Oncology Nurse & Patient Navigators 9<sup>th</sup> Annual Navigation & Survivorship Conference, Dallas, TX, United States.
4. \* Swisher M, Talacka A, Arida J, **Belcher SM**, Campbell G, Hagan T, Hausmann E, Hileman A, Horn C, Kramer R, Savarese A, & Donovan H. (2017, April 6-8). *Level of education and depressive symptoms are associated with fatigue self-management in women with recurrent ovarian cancer* [Poster presentation]. National Council on Undergraduate Research, Memphis, TN, United States.
5. \* Campbell GB, **Belcher SM**, Ackison G, Simon J, Bovbjerg DH, Courtney-Brooks M, & Donovan H (2016, September 28-October 1). *Intensive neuropathy and falls monitoring in women with gynecologic cancer: Preliminary feasibility* [Paper presentation]. Association of Rehabilitation Nurses REACH Conference, Philadelphia, PA, United States.\*
6. Campbell GB, **Belcher SM**, Ackison G, Simon J, Bovbjerg DH, Courtney-Brooks M, & Donovan H. (2016, September 15-17). *Feasibility of an intensive symptom monitoring study in women with gynecologic cancer* [Paper presentation]. Council for the Advancement of Nursing Science State of the Science Congress on Nursing Research, Washington, DC, United States.
7. \* Swisher M, Talacka A, Arida J, **Belcher SM**, Campbell G, Hagan T, Hausmann E, Hileman A, Horn C, Kramer R, Savarese A, & Donovan H. (2016, March 27). *Level of education and depressive symptoms are associated with fatigue self-management in women with recurrent ovarian cancer* [Poster presentation]. Cancer Survivorship Research and Best Practice Conference, Cincinnati, OH, United States.
8. \*^ **Belcher S**, Arida J, Campbell G, Hagan T, Skrovanek E, & Donovan HS. (2016, March 27). *Exploring well-being, social support, and financial vulnerability in women with recurrent ovarian cancer who report more than one primary cancer diagnosis within the past three years* [Poster presentation]. Cancer Survivorship Research and Best Practice Conference, Cincinnati, OH, United States.

### **Regional**

1. \* Winters M, Bai J, **Belcher SM**, Meador R, Dolan M, Jhaney I, & Bruner DW. \*2020, March 18-20). *Associations between the gut microbiome and depression and quality of life in healthy postmenopausal women* [Poster presentation]. Southern Nursing Research Society 34<sup>th</sup> Annual Conference, New Orleans, LA, United States.  
*Meeting cancelled due to COVID-19.*
2. \*§ Schlusser C, Bruner DW, & **Belcher SM**. (2019, May 7-9). Exploring perceived changes in partner relationship quality and sexual function in women who received radiation therapy for gynecologic cancers: A qualitative study [Poster presentation]. Georgia Public Health Association 90<sup>th</sup> Annual Meeting and, Atlanta, GA, United States.

**Best Student Poster Award.**

3. \* McNamara C, Bai J, **Belcher SM**, Riddick C, & Bruner D. (2019, February 27-March 1). *Comparison of vaginal symptom incidence by clinician versus patient report in pre- and post-menopausal patients with and without gynecological cancers* [Poster presentation]. Southern Nursing Research Society 33<sup>rd</sup> Annual Conference, Orlando, FL, United States.
4. \* Daniel G, **Belcher SM**, Riddick C, McNamara C, Bai J, & Bruner DW. (2019, February 27-March 1). *Examining the relationship between vaginal pH and sexual function in postmenopausal women*. [Poster presentation]. Southern Nursing Research Society 33<sup>rd</sup> Annual Conference, Orlando, FL, United States.

### Local

1. \*§ Snyder A, Lustyik A, Klein S, & **Belcher SM** (2024, April 19). Higher depression is associated with lower self-reported adherence among patients with multiple myeloma taking oral anticancer medications (OAM) [Poster presentation]. 2024 Sigma Scholars' Night, Pittsburgh, PA, United States.
2. \*§ Lustyik A, Snyder A, Klein S, & **Belcher SM** (2024, April 19). Higher neighborhood deprivation is associated with higher symptom severity and burden among survivors of multiple primary cancers [Poster presentation]. 2024 Sigma Scholars' Night, Pittsburgh, PA, United States.
3. \* § Lustyik AA, Bender C, Dunbar-Jacob J, Yeager KA, Rosenzweig MQ, Scott P, Peipert JD, Morris J, Sharma P, Villalpando N, & **Belcher SM**. (2023, September 27). *Exploring symptom burden, financial hardship due to medication cost, and self-reported medication adherence among patients receiving oral anticancer medications for multiple myeloma*. [Poster presentation]. UPMC Hillman Cancer Center 2023 Annual Scientific Retreat, Pittsburgh, PA, United States.
4. \* § Lustyik AA, Bender C, Dunbar-Jacob J, Yeager KA, Rosenzweig MQ, Scott P, Peipert JD, Morris J, Sharma P, Villalpando N, & **Belcher SM**. (2023, April 11). *Exploring symptom burden, financial hardship due to medication cost, and self-reported medication adherence among patients receiving oral anticancer medications for multiple myeloma*. [Poster presentation]. Sigma, Eta Chapter 2023 Scholars' Night, Pittsburgh, PA, United States.
5. \*^ **Belcher SM**, Donovan HS, Bovbjerg DH, Campbell GB, Sherwood PR, & Sereika SM. (2019, April 11). *Associations among self-management behavior, distress, financial toxicity, and functional health pathways in adult survivors of multiple primary cancers*. [Poster presentation]. Emory University Nell Hodgson Woodruff School of Nursing Scholars' Day, Atlanta, GA, United States.  
**Poster Award from Alpha Epsilon chapter of Sigma Theta Tau International for outstanding scholarship, graduate and postgraduate category**
6. \* Daniel G, **Belcher SM**, Riddick C, McNamara C, Bai J, & Bruner DW. (2019, April 11). *Examining the relationship between vaginal pH and sexual function in postmenopausal women*. [Poster presentation]. Emory University Nell Hodgson Woodruff School of Nursing Scholar's Day, Atlanta, GA, United States.

7. \*<sup>^</sup> **Belcher SM**, Sereika SM, Mattos MK, & Donovan HS. (2017, June 21-23). *Comparison of symptoms and quality of life in recurrent ovarian cancer by rural/urban residence: Ancillary analysis of GOG-0259*. [Poster presentation]. University of Pittsburgh Cancer Institute 29<sup>th</sup> Annual UPCI Scientific Retreat and Satellite Conference, Pittsburgh, PA, United States.  
**Director's Award for Scientific Excellence, 1<sup>st</sup> Place Poster Award, Population Sciences Cancer Research;**  
**Selected by program leaders for Population-Based Sciences category Lightning Rounds session paper presentation**
8. \*<sup>^</sup> **Belcher S**, Low C, Posluszny D, Schear R, Kramer RE, & Donovan H. (2016, October 31). *Correlates of psychological distress, health behaviors, and benefit finding in survivors of multiple primary cancers: Results from the 2010 LIVESTRONG survey*. [Poster presentation]. University of Pittsburgh 6<sup>th</sup> Annual Scholarly Poster Presentation Symposium, Pittsburgh, PA, United States.
9. \* Donovan H, Campbell G, **Belcher S**, Ferguson R, Jones R, Low C, Manculich J, Posluszny D, Schmidt J, Skrovanek E, & Bovbjerg D. (2016, October 31). *Prevalence of somatic peripheral neuropathy in survivors of a wide range of cancers: Results from the 2010 LIVESTRONG survey*. [Poster presentation]. University of Pittsburgh 6<sup>th</sup> Annual Scholarly Poster Presentation Symposium, Pittsburgh, PA, United States.
10. \* Donovan H, Campbell G, **Belcher S**, Ferguson R, Jones R, Low C, Manculich J, Posluszny D, Schmidt J, Skrovanek E, & Bovbjerg D. (2016, June 15). *Prevalence of somatic peripheral neuropathy in survivors of a wide range of cancers: Results from the 2010 LIVESTRONG survey*. [Poster presentation]. University of Pittsburgh Cancer Institute 28<sup>th</sup> Annual UPCI Scientific Retreat & 30<sup>th</sup> Anniversary Symposium III, Greensburg, PA, United States.
11. \*<sup>^</sup> **Belcher S**, Low C, Posluszny D, Kramer RE, & Donovan H. (2016, June 15). *Correlates of psychological distress, health behaviors, and benefit finding in survivors of multiple primary cancers: Results from the 2010 LIVESTRONG survey*. [Poster presentation]. University of Pittsburgh Cancer Institute 28<sup>th</sup> Annual UPCI Scientific Retreat & 30<sup>th</sup> Anniversary Symposium III, Greensburg, PA, United States.
12. \*<sup>^</sup> **Belcher SM**, Hausmann EA, Cohen SM, Donovan HS, & Schlenk EA. (2016, March 16), *Examining the relationship between multiple primary cancers and psychological distress: A review of current literature*. [Poster presentation] at Sigma Theta Tau Eta Chapter Scholars Night, Pittsburgh, PA, United States.
13. \* Campbell GB, **Belcher SM**, Ackison G, Bovbjerg DH, Courtney-Brooks M, & Donovan H. (2015, November). *Feasibility of an intensive symptom monitoring study in women with gynecologic cancer: Preliminary data*. [Poster presentation]. Women's Cancer Research Center 5<sup>th</sup> Annual Retreat, Farmington, PA, United States.

14. Cantrell M, Bahnsen K, Smith T, Cronin M, **Belcher S**, Buck T, Cannon M, Cianci G, Liu Y, Pendergast A, Sligh M, Turi E, & Donovan H. (2015, September 25). *Development of a student-led health connection center at a community food pantry*. [Poster presentation]. University of Pittsburgh Academically Based Community Engagement: An Idea Exchange, Pittsburgh, PA, United States.
15. \*<sup>^</sup> **Belcher S**, Arida J, Campbell G, Hagan T, Skrovanek E, & Donovan HS. (2015, June 18-19). *Exploring well-being, social support, and financial vulnerability in women with recurrent ovarian cancer who report more than one primary cancer diagnosis within the past three years*. [Poster presentation]. University of Pittsburgh Cancer Institute Annual UPCI Scientific Retreat and Satellite Conference, Pittsburgh, PA, United States.  
**Director's Award for Scientific Excellence, 2<sup>nd</sup> Place Poster Award, Population Sciences Cancer Research**
16. \* Skrovanek E, Ackison G, Arida J, **Belcher S**, Campbell G, Hagan T, & Donovan H. (2015, June 18-19). *Causal attributions of ovarian cancer*. [Poster presentation]. University of Pittsburgh Cancer Institute Annual UPCI Scientific Retreat and Satellite Conference, Pittsburgh, PA, United States.
17. \*<sup>^</sup> Cannon M, Cianci G, **Belcher S**, Cantrell M, Smith T, & Donovan H. (2014, April 7). *Discovering the resource needs of food-insecure community members present at a local food pantry*. [Poster presentation]. University of Pittsburgh Schools of the Health Sciences Health Disparities/Health Equity Poster Competition, Pittsburgh, PA, United States.  
**First Professionals poster competition award**
18. \*<sup>^</sup> **Belcher S**, Arida J, Campbell G, Hagan T, Skrovanek E, & Donovan HS. (2015, March 25). *Exploring well-being, social support, and financial vulnerability in women with recurrent ovarian cancer who report more than one primary cancer diagnosis within the past three years*. [Poster presentation]. Sigma Theta Tau Eta Chapter Scholars Night, Pittsburgh, PA, United States.

#### Other Presentations

\* = Data Based; <sup>^</sup> = First Author; § = Senior Author;  = trainee or student; <sup>+</sup> = invited

1. \*<sup>^+</sup> **Belcher SM** (2024, September 20). *Medication adherence for patients on long-term oral anticancer medication for multiple myeloma* [Invited oral presentation]. UPMC Hillman Annual Scientific Retreat, "What can we learn from individual patients?" theme session, UPMC Hillman Cancer Center, Pittsburgh, PA, United States.
2. \*<sup>^+</sup> **Belcher SM** (2024, September 6). *Adherence, symptoms, and QoL among patients prescribed long-term oral anticancer medication for multiple myeloma* [Invited oral presentation, virtual]. Gerontology and Palliative Care Grand Rounds, Rush University Division of Geriatric Medicine, Palliative Medicine, and Epidemiology, Chicago, IL, United States.

3. \*^+ **Belcher SM** (2024, February 14). *Adherence, symptoms, and QoL among patients prescribed long-term oral anticancer medication for multiple myeloma* [Invited oral presentation]. CHALLENGES in Managing and Preventing Pain (CHAMPP) Clinical Research Center Works in Progress Seminar, University of Pittsburgh School of Medicine, Pittsburgh, PA, United States.
4. \*^+ **Belcher SM** (2023, December 12). *Adherence to oral anticancer medications: State of the science and preliminary findings from the IMPACT Study* [Invited oral presentation]. University of Pittsburgh Health Policy and Management Seminar Series, Pittsburgh, PA, United States.
5. **Belcher S** (2022, April 21). *Work-in-progress introduction to the IMPACT Study* [Invited oral presentation]. University of Pittsburgh Palliative Research Center PERCOLATE meeting, Pittsburgh, PA, United States.
6. **Belcher S** (2021, May 21). *Meet the scientist: Using science to make life better for people with cancer* [Invited oral presentation]. Pittsburgh Public Schools Colfax Elementary VIP Day (6<sup>th</sup> grade students), Pittsburgh, PA, United States.
7. **Belcher SM** (2020, January 9). *Cancer-related financial hardship and nursing opportunities* [Invited oral presentation]. Metro-Atlanta Chapter of Oncology Nursing Society member meeting, Atlanta, GA, United States.
8. **Belcher SM** (2019, April 23). *Examining financial hardship in the outpatient oncology palliative care setting: A pilot study* [Invited oral presentation]. Emory University Nell Hodgson Woodruff School of Nursing Research in Progress Research Roundtable, Atlanta, GA, United States.
9. **Belcher S** (2019, March 1). *Using science to make life better for people with cancer* [Invited oral presentations]. DeKalb County School District Oak Grove Elementary Career Day (1<sup>st</sup> and 4<sup>th</sup> grade students), Atlanta, GA, United States.
10. **Belcher S** (2019, February). *Nursing science and lessons learned* [Invited oral discussant]. Emory University Nell Hodgson Woodruff School of Nursing Coffee Talk (PhD students), , Atlanta, GA, United States.
11. **Belcher SM, Sereika SM, Mattos MK, & Donovan HS.** (2017, October 17). *Comparison of symptoms and quality of life in recurrent ovarian cancer by rural/urban residence: Ancillary analysis of GOG-0259* [Invited paper presentation]. University of Pittsburgh Cancer Institute Basic and Translational Research Seminar Series, Pittsburgh, PA, United States.
12. Hassmiller S, Fairman J, Wood GL, Hickerson LM, Donovan H, & **Belcher S** (2018, January 18-20). *RWJF Future of Nursing Scholars: First year graduate results and looking forward* [Invited panelist]. Association of Colleges of Nursing Doctoral Education Conference: Collaborations to Improve Health, Naples, FL, United States.

13. **Belcher S** (2017, October 17). *Shining a light on life after multiple primary cancers: The LAMP study* [Invited oral presentation]. University of Pittsburgh Medical Center Division of Hematology/Oncology Faculty Meeting, Pittsburgh, PA, United States.
14. **Belcher S**, Zhu Y, Peterson-Burch F, & Bender C (2016, November 1). *A PhD in nursing* [Invited panelist]. University of Pittsburgh School of Nursing Freshman Seminar Class, Pittsburgh, PA, United States.
15. **Belcher S**, Arida J, Campbell G, Hagan T, Skrovanek E, & Donovan HS (2015, October 6). *Exploring well-being, social support, and financial vulnerability in women with recurrent ovarian cancer who report more than one primary cancer diagnosis within the past three years* [Invited paper presentation]. University of Pittsburgh Cancer Institute Basic and Translational Research Seminar Series, Pittsburgh, PA, United States.
16. **Belcher S** [2009]. *Tumor lysis syndrome* [Educational poster presentation]. The Ohio State University Wexner Medical Center, James Cancer Hospital and Solove Research Institute Acute Leukemia Progressive Care Unit Training Fair. Columbus, OH, United States.
17. Moran M & **Belcher S** (2008). *HIV-related lymphoma* [Invited oral presentation]. The Ohio State University Wexner Medical Center, James Cancer Hospital and Solove Research Institute Nursing Grand Rounds, Columbus, OH, 2008.

**Teaching**

**Primary Instructor**

<b>Term/ Years</b>	<b>Course Number &amp; Title</b>	<b>No. of Students</b>	<b>Level</b>	<b>Didactic or Clinical</b>
Fall 2024	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	18	Graduate	Didactic
Fall 2024	NUR 2010D: Health Promotion & Disease Prevention in Culturally Diverse Populations	1	Graduate	Didactic
Spring 2024	NUR 0053: Introduction to Inclusion, Equity, and Diversity in Health Care	23	BSN Fresh	Didactic
Spring 2024	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	21	Graduate	Didactic
Fall 2023	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	8	Graduate	Didactic
Spring 2023	NUR 0053: Introduction to Inclusion, Equity, and Diversity in Health Care	21	BSN Fresh	Didactic
Spring 2023	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	10	Graduate	Didactic
Spring 2023	NUR 3060: Independent Study, “The Science of Health Promotion with a Global Perspective” (1 credit)	1	Graduate	Didactic
Fall 2022	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	10	Graduate	Didactic

Fall 2022	NUR 3060: Independent Study, “The Science of Health Promotion with a Global Perspective” (1 credit)	1	Graduate	Didactic
Spring 2022	NUR 0053: Introduction to Inclusion, Equity, and Diversity in Health Care	19	BSN Fresh	Didactic
Spring 2022	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	19	Graduate	Didactic
Fall 2021	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	16	Graduate	Didactic
Fall 2021	NUR 2010D: Health Promotion & Disease Prevention in Culturally Diverse Populations	1	Graduate	Didactic
Summer 2021	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	14	Graduate	Didactic
Spring 2021	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	49	Graduate	Didactic
Fall 2020	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	20	Graduate	Didactic
Fall 2020	NUR 2010D: Health Promotion & Disease Prevention in Culturally Diverse Populations	1	Graduate	Didactic
Spring 2020	NUR 1128C: Community Health Nursing Clinical	3	BSN Senior	Clinical

### Secondary Instructor

Term/ Years	Course Number & Title	No. of Students	Level	Didactic or Clinical
Summer 2022	NUR 1128: Community Health Nursing	26	aBSN Senior	Didactic

### Lecturer / Guest Lecturer

Term/ Years	Course Number & Title	No. of Students	Level	Topic of Lecture
Fall 2023	NUR 3291: Responsibilities and Activities of a Scientist	8	PhD	Building a Mentoring Team
Fall 2022	NUR 3291: Responsibilities and Activities of a Scientist	4	PhD	Building a Mentoring Team
Spring 2022	NUR 0053: Introduction to Inclusion, Equity, and Diversity in Health Care	12	BSN Fresh	Improving Healthcare Access and Quality: COVID as an Exemplar
Fall 2021	NUR 3066: State of the Science in Cancer Survivorship	6	PhD	Establishing and Sustaining an Academic Career (cancer survivorship faculty panelist)
Fall 2021	NUR 3291: Responsibilities and Activities of a Scientist	8	PhD	Mentoring: Lessons Learned
Fall 2021	NUR 3066: State of the Science in Cancer Survivorship	6	PhD	Following the Evidence to Develop a Program of Cancer Survivorship Research
Fall 2020	NUR 0005: Honors Freshman Seminar	16	BSN Fresh	Specialty Roles in Nursing (panelist)

Spring 2020	NUR 1128C: Community Health Clinical	~35	BSN Senior	Poverty Simulation (Volunteer and Small Group Facilitator)
Winter 2019	N101: Intro to Professional Nursing (Emory University)	8	Pre-Nursing	Basic Oncology and Oncology Nursing Careers
Spring 2018	NUR 1121: Advanced Clinical Problem Solving	75	BSN/aBSN Senior	Basic Oncology and Therapies; Hematologic Malignancies; Oncologic Emergencies
Fall 2017	NUR 1121: Advanced Clinical Problem Solving	73	BSN/aBSN Senior	Basic Oncology and Therapies; Hematologic Malignancies; Oncologic Emergencies
Summer 2017	NUR 1120: Advanced Nursing Management of the Adult with Acute/Complex Health Problems	26	BSN/aBSN Junior	Breast Cancer; Lung Cancer
Summer 2017	NUR 1121: Advanced Clinical Problem Solving	28	BSN/aBSN Senior	Basic Oncology and Therapies; Hematologic Malignancies; Oncologic Emergencies
Spring 2014	NUR 0081 and NUR 1281: Foundations of Nursing Practice II	25	BSN Soph	IV Medication Administration

### Teaching Assistant

Term/ Years	Course Number & Title	No. of Students	Level	Didactic or Clinical
Spring 2015	NUR 1120C: Advanced Nursing Management of the Adult with Acute/Complex Health Problems	8	BSN Junior	Clinical
Spring 2015	NUR 0081: Foundations of Nursing Practice 2	25	BSN Soph	Skills Lab TA
Spring 2015	NUR 0081: Foundations of Nursing Practice 2	119	BSN Soph	Didactic TA
Spring 2015	NUR 0082 and NUR 1281: Nursing Management of Acute and Chronic Health Problems	142	BSN/aBSN Soph	Didactic TA
Fall 2014	NUR 0020: Pathophysiologic Foundations of Nursing Care	14	BSN Soph	Didactic TA
Fall 2014	NUR 0080: Foundations for Nursing Practice	7	BSN Soph	Clinical
Fall 2014	NUR 0080: Foundations for Nursing Practice	55	BSN Soph	Skills Lab TA and Simulation
Summer 2014	NUR 1120: Advanced Nursing Management of the Adult with Acute/Complex Health Problems	5	aBSN Junior	Clinical
Spring 2014	NUR 1120: Advanced Nursing Management of the Adult with Acute/Complex Health Problems	14	BSN Junior	Clinical
Fall 2013	NUR 0080: Foundations for Nursing Practice	15	BSN Soph	Clinical
Fall 2013	NUR 0080: Foundations for Nursing Practice	55	BSN/aBSN Soph	Skills Lab TA and Simulation



**Student Mentees, Role, Program, Dates Inclusive**

**Student's Current Professional Status**

**DNP Projects**

Shelby Landoll, DNP, MSN, MEd, BS  
Co-Chair  
Health Systems Executive Leadership Program,  
University of Pittsburgh  
05/2022 – 12/2023  
*Project Title:* Evaluating the impact of racial concordance among clients and nurses on outcomes in maternal-infant home visitation

Home Visitation Nurse & Nurse  
Educator, Nurse-Family  
Partnership, Columbus, OH

**PhD Dissertations**

Emily He, BSN, RN  
Doctoral Advisor and Dissertation Committee Chair  
PhD Program, University of Pittsburgh  
08/2024 – present  
*Dissertation Title:* Using technology to improve quality of life for older adults with lymphoma

PhD Student, University of  
Pittsburgh School of Nursing

Abigail Lustyik, BSN, RN  
Doctoral Advisor and Dissertation Committee Chair  
PhD Program, University of Pittsburgh  
08/2024 – present  
*Dissertation Title:* Patient perceptions of benefit to adherence to cardiac meds for survivors with cancer-related cardiac toxicities

PhD Student, University of  
Pittsburgh School of Nursing

Ruiqi Jin, RN  
Dissertation Committee Member  
PhD Program, Emory University  
09/2022 – present  
*Dissertation Title:* Theory-based analysis of financial toxicity in chronic myeloid leukemia survivors

Doctoral Candidate,  
Emory University

Jian Zhao, PhD, RN  
Dissertation Committee Member  
PhD Program, University of Pittsburgh  
07/2021 – 11/2023  
*Dissertation Title:* Characterizing distinct trajectories of acute post-surgical pain and their association with persistent post-surgical pain, opioid use and 30-day readmission after abdominal hysterectomy for gynecologic cancer

Postdoctoral Fellow, Pain  
Psychology, University of  
Oklahoma Health Science  
Center

**Other Mentoring Activities**

Chelsea A. Green, MS, BS  
Research Mentor  
Gleitsman Diversity in Palliative Care Research Award  
mentor, University of Pittsburgh Palliative Research Center  
03/2022 – 03/2023  
*Scholar Project:* Patient-provider communication and financial hardship in the context of serious illness

MD Candidate,  
Morehouse School of Medicine

Abigail Lustyik  
Undergraduate Research Mentorship Program, Pitt SON  
09/2022 – 7/2024

Pre-Doctoral Student,  
University of Pittsburgh

Alexandria Snyder  
Undergraduate Research Mentorship Program, Pitt SON  
06/2022 – present

Nursing Student,  
University of Pittsburgh

Ruanny Cadima  
Undergraduate Research Mentorship Program, Pitt SON  
12/2021 – 08/2022

Nursing Student,  
University of Pittsburgh

Erica Rodi, BSN, RN  
Undergraduate Research Mentorship Program, Pitt SON  
10/2020 – 04/2022

Registered Nurse, UPMC  
Western Psychiatric Hospital

Karen Wang  
Undergraduate Research Mentorship Program, Pitt SON  
09/2020 – 07/2022

Nursing Student,  
University of Pittsburgh

Yujin Kim, BS  
Research Assistant, Emory SON  
08/2019 – 03/2020  
Janet Nguyen, BS  
Research Assistant, Emory SON  
04/2019 – 05/2021

M.D. Candidate, Texas Tech  
University Health Sciences  
Center

M.D. Candidate, State University  
of New York Upstate Medical  
University

Lindsay Gantz, BSN, BA, RN, BMTCN  
Robert W. Woodruff Scholarship Program mentor,  
Emory SON  
03/2019 – 12/2019

Hospice Nurse & Case Manager,  
Hospice & Palliative Care  
Buffalo

*Scholar Project:* Examining the relationship between financial hardship and distress in palliative care patients with advanced cancer

Olivia D'Antonio, BSN, RN  
Undergraduate Research Mentorship Program, Pitt SON  
08/2016 – 05/2018

Clinical Research Nurse and  
Coordinator, Lindus Health,  
London, UK

Raegan (Kramer) Oraschewsky, BSN, RN, CPN, CCRN  
Undergraduate Research Mentorship Program, Pitt SON  
10/2015 – 05/2016

Critical Care Registered Nurse,  
PICU, Children's Hospital of  
Philadelphia

Service**University Committees**

12/2022 – 05/2023	National Rehabilitation Research & Training Center on Family Support, University of Pittsburgh: 2023 Family Caregiver Advocacy Training Sessions	Planning Committee Member
12/2022 – 05/2023	Family Caregiver Advocacy Training	Small Group Moderator
06/2023 – 08/2024	Pitt Mothers Leading Science	Candidate Review Committee Member, Cohorts 2 & 3

**School Committees**

09/2022 – present	PhD Council	Member
08/2023 – 06/2024	Mixed Methods Research Group Task Force	Member, ad hoc
11/2022	Abstract Reviewer for competitive ENRS submission among PhD Students	Reviewer
08/2021 – present	Diversity Committee	Member
09/2024 – present	Diversity Committee	Past Chair
09/2023 – 08/2024	Diversity Committee	Chair
10/2022 – present	Climate Survey Subcommittee	Lead
09/2022 – 08/2023	Diversity Committee	Chair Elect
06/2020 – present	DNP Council	Member
06/2020 – 09/2022	MSN Council	Member
02/2020 – 06/2020	BSN Council	Member
09/2024 – present	Technology Research HUB	Training Faculty Member
01/2020 – present	Cancer Survivorship Research HUB	Member
2019	Davis Lecture Committee, Emory University - developed criteria and processes for nomination and selection of endowed lecture presenter	Member
2015 – 2018	Doctoral Nursing Student Organization	Member
2015 – 2018	PhD Council	Student Representative
2016 – 2017	Graduate School Fairs	PhD Student Representative, ad hoc

**Other Service**

2021 – present	Medical Reserve Corps Member, Allegheny County, PA	Member
2021	COVID-19 Vaccine, University of Pittsburgh Point-of-Dispensing	Volunteer
2018 – 2019	DEAR reading program, Oak Grove Elementary, Atlanta, GA	Volunteer
2018 – 2019	Parent Teacher Association, Oak Grove Elementary, Atlanta, GA	Member
2018 – 2019	Working group for University of Kansas School of Nursing PCORI grant project, “Prioritization of Metastatic Cancer Research Priorities”	Key Stakeholder
2015 – 2017	Annual Walk/Run to Break the Silence on Ovarian Cancer, Pittsburgh Chapter of the National Ovarian Cancer Coalition	Participant
2014 – 2018 2014 – 2016	Colfax Elementary School, Pittsburgh Public Schools Community and Human Services Oakland Food Pantry, Pittsburgh, PA	Parent Volunteer Volunteer
2003 – present	Be the Match, national blood and marrow donor registry	Registry Member
1999	Kids cancer programs: “Kids Can Cope Too!” and “Good Grief,” The Ohio State University James Cancer Hospital, Columbus, OH	Volunteer
1998 – 1999	Sexual Assault Response Network of Central Ohio (SARNCO), The Ohio State University Medical Center, Columbus, OH	Volunteer Patient Advocate

**Other Selected Professional Development Activities**

09/2024 – present	Technology Research in Chronic & Critical Illness seminar, training faculty attendee (T32NR008857, DeVito Dabbs), University of Pittsburgh, Pittsburgh, PA
03/2024	Spring 2024 Online Workshop – Mixed Methods Analysis and Integration: An Intermediate Workshop, Mixed Methods Program, University of Michigan

- 12/02/2023 ESPACOMP 2023 Workshop: Self-Reported Adherence in Research and Clinical Practice, Budapest, Hungary, led by Dr. Alexandra Dima, PhD, University of Basel
- 12/02/2023 ESPACOMP 2023 Workshop: Describing Medication Adherence Interventions, Budapest, Hungary, led by Vera Araújo-Soares, PhD, Heidelberg University
- 11/29/2023 ESPACOMP 2023 Workshop: Implementation Science, Developing Implementation Strategies: From Theory to Practice, Budapest, Hungary, led by Dr. Sabina De Geest, PhD, RN, University of Basel
- 03/2023 – 08/2023 Hillman K-Club monthly meetings and seminars, UPMC Hillman Cancer Center, led by Dr. Yael Schenker
- 10/2022 – 03/2024 Translation to Independence Program (TIPS): Tipping Ks into Rs, bi-monthly meetings and seminars led by Dr. Katie Suda, Institute for Clinical Research Education, University of Pittsburgh, Pittsburgh, PA
- 10/2022 – 03/2023 Peer Coaching, bi-monthly training provided by Edge Leadership Solutions, Pittsburgh, PA
- 08/2020 – 07/2024 Targeted NIH-supported career development activities (K23NR019296) in areas of:
- medication adherence measurement and theory and financial hardship conceptualization
  - design, implementation, and analysis of longitudinal, mixed-method and cooperative group studies
  - conducting culturally sensitive research with socioeconomically diverse cancer populations
  - professional development
  - grantsmanship
  - responsible conduct of research
- Co-Mentors: Drs. Catherine Bender & Jacqueline Dunbar-Jacob  
Collaborators & Consultants: Drs. Katherine Yeager; Margaret Rosenzweig; Susan Sereika; Mounzer Agha; and K. Robin Yabroff
- 07/2022 – 05/2023 Mothers Leading Science Scholar, Institute for Clinical Research, University of Pittsburgh, Pittsburgh, PA  
MLS is a competitive year-long leadership, empowerment, and peer coaching programming for health science faculty, led  
Faculty Leads: Drs. Doris Rubio & Amery Treble-Barna
- 02/2020 – present Targeted Research and Academic Training of Nurses in Genomics meeting and seminar attendee (T32NR009759, Conley), University of Pittsburgh, Pittsburgh, PA

01/2020 – present	Brain, Behavior, and Cancer Seminar Series attendee, led by Dana Bovbjerg and Kathryn Schmitz, UPMC Hillman Cancer Center
2018 – 2019	K-Club monthly meetings and seminars, Emory Department of Pediatrics and Children’s Healthcare of Atlanta, Atlanta, GA
2018 – 2019	Postdoctoral Trainee Group member, led by Dr. Drenna Waldrop-Valverde, Emory University, Atlanta, GA
2018 – 2019	Improving Outcomes in Chronic Conditions meeting and seminar attendee (T32NR012715, Dunbar), Emory University, Atlanta, GA
2018 – 2019	Center for Data Science meeting and seminar attendee, led by Dr. Vicki Hertzberg, Emory University, Atlanta, GA
2018 – 2019	Oncology Research Collaborative for Health Risk Determination and Symptom Science led by School of Nursing faculty, Emory University, Atlanta, GA
2018 – 2019	Biobehavioral Oncology Research Group member led by Dr. Deborah Bruner, Emory University, Atlanta, GA
2017 – 2018	Targeted Research and Academic Training of Nurses in Genomics meeting and seminar attendee (T32NR009759, Conley), University of Pittsburgh, Pittsburgh, PA
06/2017	Structural Equation Modeling: Foundations and Extended Applications, Stats Camp led by Dr. Todd Little, Albuquerque, NM
07/2016	Precision Health: From ‘Omics’ to Data Science Boot Camp, National Institute of Nursing Research, Bethesda, MD
06/2016	Applying Epidemiologic Methods for Observational Data in Survivorship Research training course, National Cancer Institute, 8 <sup>th</sup> Biennial Cancer Survivorship Conference, Washington, DC
2015 – 2018	Brain, Behavior, and Cancer Seminar Series attendee led by Dana Bovbjerg, UPMC Hillman Cancer Center
2015	Research Coordinator Orientation 3-day training course, Clinical and Translational Science Institute, University of Pittsburgh, Pittsburgh, PA
2014 – 2016	Cancer Survivorship Journal Club, Writing, and Peer Mentoring meetings attendee (T32NR011972, Bender), University of Pittsburgh, Pittsburgh, PA
01/2014 – 04/2014	Faculty Development University Teaching Practicum, Dietrich School of Arts & Sciences, University of Pittsburgh, Pittsburgh, PA