

Curriculum Vitae

Name: Sarah M. Belcher, PhD, RN, OCN®

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3500 Victoria Street
Pittsburgh, PA 15261

Business Phone: (412) 383-1470 **Business Fax:** (412) 383-7293

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	Affiliated Faculty Member
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
Non-Academic		
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	International Society for Patient Medication Adherence (ESPACOMP) 2024 - present: Research, Policy, and Implementation Sub-Committee member 2025: Annual conference planning committee member 2024: Faculty Co-Chair, Paper Session 3: “Determinants of Medication Adherence,” Annual Conference, Naples, Italy 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
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- 2020 – 2023 Palliative Research Cooperative
- 2019 – 2020 Hospice and Palliative Nurses Association
- 2015 – 2024 American Society of Clinical Oncology
2024 – 2024: 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
- 11/2024 – present Pitt-CMU Health Psychology and Behavioral Medicine Research Network collaborative, University of Pittsburgh and Carnegie Mellon University
- 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

- 02/2025 Speaker and Awardee
2025 Senior Vice Chancellor’s Research Seminar Series, featuring young investigator biomedical science research
University of Pittsburgh
- 09/2024 2024 Emerging Scholar Award
Meritorious Population Science Cancer Research
UPMC Hillman Cancer Center

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 1st 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 nd 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 LE, Cuaron L, Fischer-Carlidge E, Lally RM, Linder LA, Meyeran T, Ogunkunle R, Springer NG, Song L, Wickersham KE, Moore MSB, & Anderson A (2024). Research priorities of the Oncology Nursing Society: 2024-2027. *Oncology Nursing Forum*, 51 (6), 502-515. doi:10.1188/24.ONF.502-515
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. *[^] **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 S**, Lustyik A, Villalpando N, Bender C, Dunbar-Jacob J, Rosenzweig M, Agha M, Sabik L, Muluneh B, Copeland V, & Yeager K (in press). The patient perspective of healthcare system factors that affected their adherence to oral anticancer medications for multiple myeloma: A qualitative, descriptive study. *International Journal of Clinical Pharmacy* (abstr 49). Epub ahead of print. Poster presentation at ESPACOMP 2024, Napoli, Italy, November 21-22, 2024.

2. Corral-Partearroyo C, Vinogradov R, Serhal S, Van der Laan A, **Belcher SM**, Araujo-Soares V, & Dima A. (in press). Understanding gaps in the reporting of cardiovascular disease medication adherence interventions: An umbrella review protocol. *International Journal of Clinical Pharmacy* (abstr 10). Epub ahead of print.
Poster presentation at ESPACOMP 2024, Napoli, Italy, November 21-22, 2024.
3. *^{^+} **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 adherence among patients with multiple myeloma.
Invited poster presentation at the 6th Annual Palliative Research Center (PaRC) Retreat, Pittsburgh, PA, October 10, 2024, available at https://www.canva.com/design/DAGL9HnzfKo/zfolXFLq-0_AyTH0dnagoQ/view?utm_content=DAGL9HnzfKo&utm_campaign=designshare&utm_medium=link&utm_source=editor#26
4. *[^] **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.
5. * 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 49th Oncology Nursing Society Annual Congress, Washington, D.C., April 24-28, 2024.
6. * 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 49th Oncology Nursing Society Annual Congress, Washington, D.C., April 24-28, 2024.
7. * **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 49th Oncology Nursing Society Annual Congress, Washington, D.C., April 24-28, 2024.
8. * Thaker PH, **Belcher S**, Orr B, Taylor S, Thomas TL, & Donovan TL (2024). 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.

9. *[^] **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*, 46, 337-338. doi:10.1007/s11096-023-01688-5
Oral presentation at ESPACOMP 2023, Budapest, Hungary, November 30-December 1, 2023.
10. *[^] **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*, 46, 338. doi:10.1007/s11096-023-01688-5
Oral presentation at ESPACOMP 2023, Budapest, Hungary, November 30-December 1, 2023.
11. * 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 48th Annual Congress “**Best of Research Abstracts**” session, San Antonio, TX, United States, April 26-30, 2023.
12. *§ 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.
13. *§ 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 4th Annual Palliative Research Center (PaRC) Retreat, Pittsburgh, PA, October 13, 2022, available at <https://www.palcare.pitt.edu/2022-retreat-posters/>
14. * 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 34th annual meeting of the Associated Professional Sleep Societies.

15. *[^] **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 45th Annual Congress
Meeting cancelled due to COVID-19; e-poster displayed at ONS Bridge virtual conference.
16. *[^] **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
17. * 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
18. * 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
19. * 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
20. * 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.
21. *[^] **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
22. * 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
23. * 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.

24. *^ **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.
25. *^ **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
26. * 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
27. *^ **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
28. *^ **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
29. *^ **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
30. *^ 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
31. * § 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. ^+ **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* (5th 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. *^ **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 = Lee, University of Pittsburgh
National Institute of Nursing Research, #T32NR008857
Technology Research in Chronic & Critical Illness
07/01/2005 – 06/30/2027, Appointment period: 09/2024 – present
Role: Affiliated Faculty/Mentor
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 Awardee 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 International Honor Society of Nursing

Manuscript Reviewer, ad hoc

<i>Cancer</i>	12/2019; 03/2020; 05/2020
<i>Cancers</i>	10/2024
<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]. 1st 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 9th 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 34th 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 90th 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 per- and post-menopausal patients with and without gynecological cancers* [Poster presentation]. Southern Nursing Research Society 33rd 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 33rd Annual Conference, Orlando, FL, United States.

Local

1. *[^] **Belcher S**, Sereika S, Dunbar-Jacob J, Yeager K, Rosenzweig M, Agha M, Muluneh B, Sabik L, Copeland V, McGregor S, & Bender C (2024, November 8). Patterns and predictors of electronically measured oral anticancer medication adherence among patients with multiple myeloma [Poster presentation]. First Annual School of Nursing Research Day: Frontiers of Discovery, Pittsburgh, PA, United States.
2. *§ Lustyik A, Snyder A, Klein S, & Belcher SM (2024, November 8). Higher neighborhood deprivation is associated with higher symptom severity and burden among survivors of multiple primary cancers [Poster presentation]. First Annual School of Nursing Research Day: Frontiers of Discovery, Pittsburgh, PA, United States.
3. *§ 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.
4. *§ 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.
5. * § 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.
6. * § 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.
7. *[^] **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

8. * 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.
9. *^ **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 29th Annual UPCI Scientific Retreat and Satellite Conference, Pittsburgh, PA, United States.
Director's Award for Scientific Excellence, 1st Place Poster Award, Population Sciences Cancer Research;
Selected by program leaders for Population-Based Sciences category Lightning Rounds session paper presentation
10. *^ **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 6th Annual Scholarly Poster Presentation Symposium, Pittsburgh, PA, United States.
11. * 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 6th Annual Scholarly Poster Presentation Symposium, Pittsburgh, PA, United States.
12. * 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 28th Annual UPCI Scientific Retreat & 30th Anniversary Symposium III, Greensburg, PA, United States.
13. *^ **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 28th Annual UPCI Scientific Retreat & 30th Anniversary Symposium III, Greensburg, PA, United States.
14. *^ **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.

15. * 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 5th Annual Retreat, Farmington, PA, United States.
16. 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.
17. *^ **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, 2nd Place Poster Award, Population Sciences Cancer Research
18. * 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.
19. *^ 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
20. *^ **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

1. *^+ **Belcher SM** (2025, February 21). Equitable Cancer Medication Adherence [Invited and competitively selected oral presentation]. 2025 Senior Vice Chancellor's Research Seminar Series, University of Pittsburgh, Pittsburgh, PA, United States.
2. ^+ **Belcher SM** & Thomas TH (2024, November 7). *Claiming your strengths: Maintaining a sense of self and community throughout your PhD program and career* [Invited oral presentation]. PhD Program Fall Celebration, University of Pittsburgh School of Nursing, Pittsburgh, PA, United States.

3. *^+ **Belcher SM** (2024, September 20). *Cancer treatment adherence, symptoms, and QOL findings from a clinical program of research* [Invited oral presentation and expert panel]. 36th Annual UPMC Hillman Cancer Center Scientific Retreat, “What can we learn from individual patients?” session, UPMC Hillman Cancer Center, Pittsburgh, PA, United States.
4. *^+ **Belcher SM** (2024, September 6). *Treatment 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.
5. *^+ **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.
6. *^+ **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.
7. **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.
8. **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 (6th grade students), Pittsburgh, PA, United States.
9. **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.
10. **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.
11. **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 (1st and 4th grade students), Atlanta, GA, United States.
12. **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.

13. **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.
14. 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.
15. **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.
16. **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.
17. **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.
18. **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.
19. 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

Term/ Years	Course Number & Title	No. of Students	Level	Didactic or Clinical
Spring 2025	NUR 0053: Introduction to Inclusion, Equity, and Diversity in Health Care	22	BSN Fresh	Didactic
Spring 2025	NUR 2010: Health Promotion & Disease Prevention in Culturally Diverse Populations	29	Graduate	Didactic
Fall 2024	NUR 2010 & 2010D: Health Promotion & Disease Prevention in Culturally Diverse Populations	21	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 2024	NUR 3291: Responsibilities and Activities of a Scientist	11	PhD	Building a Mentoring Team
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****Master's Theses Projects**

Varsha Kaveti
 MPH Thesis Committee Member
 Epidemiology Program, University of Pittsburgh School of
 Public Health
 12/2024 – present
Project Title: Socioeconomic and Environmental Risk Factors Associated with Postpartum
 Depression in Washington, D.C.

Epidemiology MPH Student,
 University of Pittsburgh School
 of Public Health

DNP Projects

Shelby Landoll, DNP, MSN, MEd, BS
 Committee Role: 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: 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 – 12/2024
Dissertation Title: Theory-based analysis of financial toxicity in chronic myeloid leukemia survivors

Postdoctoral Fellow, American
Cancer Society

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, Dana Farber
Cancer Institute, October 2024

Other Mentoring Activities

Ella Wolok
Undergraduate Research Mentorship Program, Pitt SON
09/2024 – present

Nursing Student,
University of Pittsburgh

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

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

Janet Nguyen, BS
Research Assistant, Emory SON
04/2019 – 05/2021

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 Committee

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 Participant
06/2023 – present	Pitt Mothers Leading Science	Candidate Review Committee Member, Cohorts 2 & 3

School Committees

09/2022 – present	PhD Council	Member
11/2024	PhD Student Fall Welcome Dinner	Invited Presenter
10/2024 – present	Progression and Graduation Committee	Representative
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 – 09/2024	Diversity Committee	Chair
10/2022 – 11/2024	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
09/2024 – present	Cancer Survivorship Research HUB	Leader w 10% effort
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

9/24/2024	Session to Solicit Feedback on the National Caregiving Research Agenda, National Alliance for Caregiving, Pittsburgh, PA	Invited Expert Participant
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	Colfax Elementary School, Pittsburgh Public Schools	Parent Volunteer
2014 – 2016	Community and Human Services Oakland Food Pantry, Pittsburgh, PA	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

11/2024	ESPACOMP 2024 Workshop: Health Economics, Naples, Italy, led by Dr. Dyfrig Hughes, PhD, Bangor University
09/2024 – present	Technology Research in Chronic & Critical Illness seminar, affiliated faculty/mentor attendee (T32NR008857, Lee), 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, 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, 8th 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