

Harvard Medical School Curriculum Vitae

Date Prepared: August, 2025

Name: Marilyn Hammer

Office Address: Dana-Farber Cancer Institute
450 Brookline Avenue, BP1144
Boston, MA 02215

Work Phone: 617-632-1909 | 347-271-0291

Work Email: marilynj_hammer@dfci.harvard.edu

Education

1987	BS	Business Marketing	Long Island University / C.W. Post College, Greenvale, NY
1998	DC	Chiropractic	Life Chiropractic College West, San Lorenzo, CA
2003	BSN	Nursing	University of Texas at Arlington, Arlington, TX
2007	MN	Clinical Nurse Specialist / Oncology Nursing	University of Washington School of Nursing, Seattle, WA
2008	PhD	Nursing Science / Oncology	University of Washington School of Nursing

Postgraduate Training

12/2008-4/2009	Nurse Researcher	EnhanceFitness Program (Basia Belza, PhD, RH, FAAN, FGSA)	University of Washington School of Nursing
----------------	------------------	---	--

Faculty Academic Appointments

4/2009-9/2016	Assistant Professor, tenure track with voting privileges	Nursing	New York University (NYU) Rory Meyers College of Nursing, New York, NY
9/2016-08/2021	Adjunct Associate Professor (non-voting; < .01 hrs/wk)	Nursing	NYU Rory Meyers College of Nursing
1/2017-8/2019	Associate Professor, tenure line (non-voting)	Medicine, Hematology and Medical Oncology	Icahn School of Medicine at Mount Sinai (ISMMS), New York, NY
9/2019-2022	Adjunct Associate Professor (non-voting; < .01 hrs/wk)	Medicine, Hematology and Medical Oncology	Icahn School of Medicine at Mount Sinai (ISMMS), New York, NY
9/2019-6/2023	Lecturer	Medicine	Harvard Medical School (HMS), Boston, MA
7/2023-	Instructor	Medicine	HMS

Appointments at Hospitals/Affiliated Institutions

3/2003-1/2004	Nurse Technician	Orthopedics/Neurology	Baylor Scott and White Medical Center, Irving, TX
1/2004-7/2005	Registered Nurse	Oncology	Baylor Scott and White Medical Center
12/2008-3/2009	Research Nurse	Biobehavioral Nursing & Health Systems	University of Washington School of Nursing, Seattle, WA
9/2010-9/2016	Associate Member	Cancer Immunology Research & Epidemiology & Cancer Control Programs	NYU Cancer Institute, New York, NY
9/2010-9/2016	Faculty Associate	Hartford Institute for Geriatric Nursing	NYU Rory Meyers College of Nursing, New York, NY
9/2019-	Director	Phyllis F. Cantor Center for Research in Nursing and Patient Care Services	Dana-Farber Cancer Institute (DFCI), Boston, MA

Other Professional Positions

6/1987-6/1995	Traffic Coordinator and Desktop Publisher	Cove, Cooper, Lewis, Inc. Advertising Agency, New York, NY
6/1998-12/1998	Laboratory Instructor: Gross Anatomy, Physiology, & Neurology; Clinic Supervisor	Life Chiropractic College West, San Lorenzo, CA
6/1998-8/2002	Chiropractor, Private Practice	Sabin Chiropractic, San Francisco, CA

Major Administrative Leadership Positions

Local

9/2016-09/2019	Director, Research & Evidence-Based Practice, Department of Nursing	Mount Sinai Hospital, New York, NY
----------------	---	------------------------------------

International

2014	Workshop Director, Research Methods	University of Pernambuco, Recife, Brazil
------	-------------------------------------	--

Committee Service

Local

2009-2016	PhD Workgroup Committee	NYU Rory Meyers College of Nursing, New York, NY
	2010-2016	Dissertation guidelines sub-committee
	2011-2015	Co-chair, Dissertation guidelines sub-committee
2009-2016	Research Council, Pless Center for Nursing Research	NYU Rory Meyers College of Nursing
2010-2014	Co-chair Dissertation Committee, Tania Bubb	NYU Rory Meyers College of Nursing
2011-2014	College Review Board	NYU College of Dentistry
2012-2013	Committee to Establish Faculty Council	NYU Rory Meyers College of Nursing
2013	Dissertation Committee, Joanne Ryan	NYU Rory Meyers College of Nursing

2013-2014 2013-2014	Faculty Council, elected Contributing Faculty, Hartford Summer Scholars Program	NYU Rory Meyers College of Nursing Hartford Center, NYU Rory Meyers College of Nursing
2013-2016	PhD Admissions Committee 2014-2016	NYU Rory Meyers College of Nursing Chair, PhD Admissions Committee
2014-2015	Nominations and Elections Committee, elected	NYU Rory Meyers College of Nursing
2014-2016	CTSI Scientific Review Committee	NYU School of Medicine
2014-2016	Protocol Review and Monitoring Committee	NYU Perlmutter Cancer Center
2014-2017	Dissertation Committee, Mayu Frank	NYU Rory Meyers College of Nursing
2014-2017	Dissertation Committee, Kristen Weaver	NYU Rory Meyers College of Nursing
2015	Primary Faculty, Hartford Summer Scholars Program	Hartford Center, NYU Rory Meyers College of Nursing
2015-2016	Search Committee for Senior Associate Dean	NYU Rory Meyers College of Nursing
2015-2016	Bylaws Committee	NYU Rory Meyers College of Nursing
2015-2018	Chair, Dissertation Committee	NYU Rory Meyers College of Nursing
2015-2020	Dissertation Committee, Maurade Gormley	NYU Rory Meyers College of Nursing
2015-2019	Dissertation Committee, Erica Liebermann	NYU Rory Meyers College of Nursing
2016	Nursing Leadership Committee	Mount Sinai Hospital
2016-2019	Chair, Nursing Research Council, Center for Nursing Research & Innovation	Mount Sinai Hospital / ISMMS
2017-2019	Institutional Review Board	ISMMS
2018-2019	Levy Library Committee	ISMMS
2018-2019	Continuing Medical Education Committee	ISMMS

2019-	Chair, Advisory Board, Cantor Center	DFCI
2019-	Nursing and Patient Care Service Leadership Committee	DFCI
2019-	Nurse Executive Committee	DFCI
2019-	Evidence and Innovation Committee	DFCI
2020-	Institutional Review Board	DFCI

Regional

2017-	Advisory Board, Heilbrunn Center for Nursing Research	Rockefeller University, New York, NY
2020-	Curriculum Development Advisory Board	University of Massachusetts Boston School of Nursing

National

2011-2015	Collaborative Network Member	Glycemic Oncology Nursing Collaborative Network
2017-2022	Dissertation Committee, Natalie Mandolfo	University of Nebraska Medical Center College of Nursing, Omaha, NE
2020-2022	Dissertation Committee, Carolyn Harris	University of California San Francisco San Francisco, CA
2023-2024	Dissertation Committee, David Asakitogum	University of California San Francisco San Francisco, CA
2024-	Dissertation Committee, Amelia Toye	Tan Chingfen Graduate School of Nursing, UMASS Chan Medical School, Worcester, MA

Professional Societies

2004-	Oncology Nursing Society (ONS)	
	2006-2009	Member, Puget Sound Chapter
	2008-2009	Co-Chair, Research Committee, Puget Sound Chapter
	2011-2016	Member, Infectious Disease Prevention: Putting Evidence into Practice Guidelines
	2015, 2016, 2021, 2022	Research Track Coordinator, Annual ONS Congress

	2017	Chair, Annual ONS Congress
	2018	Research Think Tank Member / Developed Research Priorities – Precision Health and Biomarkers
	2021	ONS/NINR/NCI Tri-Sponsored Colloquium in Symptom Science Planning Committee
2008-	The Council for the Advancement of Nursing Science	
	2017	Member, Scientific Sessions Planning Committee
2009-2018	The Gerontological Society of America	
2009-	Eastern Nursing Research Society	
	2011-2016	Founding Member and Co-Chair, Chronic Comorbid Conditions Research Interest Group (RIG; now, Precision Health RIG)
	2015-2019	Executive Board Secretary
	2015-2020	Member, Planning Committee and Moderator, Annual Scientific Sessions
	2020-2022	Executive Board, Member-at-Large, Liaison to the Communications Committee [appointed]
2010-	American Society of Clinical Oncology	Active-Allied Member
	2023-2025	Planning Committee Member, Symptom and Survivorship Track
2011-2018	American Diabetes Association	Member
2011-2019	New York Academy of Sciences	Member
2012-	International Society of Nurses in Genetics	Member
2016-	New York Academy of Medicine	Fellow
2017-	American Association for Cancer Research	Associate Member

2017-	American Academy of Nursing	Fellow and Vice Chair (2022-2023), Chair (2024-2026) Expert Panel on Genomics Nursing & Health Care
2019-2023	The Royal Society of Medicine	Associate Member
2023-	The Royal Society of Medicine	Fellow
2023-	Co-lead; founding member	Global Research Alliance in Symptom Science (GRASS)
2024	Member	Friends of the National Library of Medicine – Precision Health Forum
2025-2026	American Academy of Nursing Representative (appointed)	National Academy of Medicine Genomic and Precision Health Roundtable

Grant Review Activities

2010-	Grant Review Committee	Oncology Nursing Foundation
	2010-2013	<i>Ad hoc</i> member
	2013-2015	Core Reviewer
	2014-2015	Co-Chair
	2015-2016	Chair
	2016-	<i>Ad hoc</i> member
	2020	Chair, RE41 Focused Grant, Immunotherapies / Targeted Therapies
	2024	Chair, RE03 Grant Review Committee
2017	R21 Grant Review Committee	National Institutes of Health (NIH) Grant Reviewer (Mail-In)
2017-2022	Nursing Research Grants Review Committee	American Nurses Foundation

Editorial Activities

Reviewer

Cancer Nursing

Oncology Nursing Forum

Ad hoc Reviewer

Advances in Nursing Science

Biological Research for Nursing

BMJ Open

Cancer Medicine

Frontiers in Oncology

International Journal of Environmental Research and Public Health

Journal of Clinical Medicine

Medicine
Nursing Outlook
PLOS One
Nursing Research
Supportive Care in Cancer
The Lancet Regional Health – Americas

Other Editorial Roles

2015-2017	Associate Editor	<i>Oncology Nursing Forum</i>
2017-2018	Editorial Advisory Board	<i>Oncology Nursing Forum</i>
2021-2025 (program terminated by federal administration)	PDQ® Supportive and Palliative Care Editorial Board; led the development of a new Symptom Clusters Summary (2024)	<i>NIH National Cancer Institute</i>

Honors and Prizes

1986	Delta Sigma Pi Professional Business Society	Long Island University / CW Post College	
1996	Student Council Excellence Award	Life Chiropractic College West	Clinical
1997	Michael Beddoe Scholarship	Life Chiropractic College West	Clinical
1998	Chiropractic Clinical Excellence Citation	Life Chiropractic College West	Clinical
2002	Clinical Excellence Award for Nursing Foundations	University of Texas at Arlington School of Nursing	Clinical
2003	Clinical Excellence Award for Psychiatric- Mental Health Nursing	University of Texas at Arlington School of Nursing	Clinical
2003	Clinical Excellence Award for Nursing Leadership and Management	University of Texas at Arlington School of Nursing	Clinical
2003	Clinical Excellence Award for Nursing of Adults with Complex Needs	University of Texas at Arlington School of Nursing	Clinical

2003-	Sigma Theta Tau International Honor Society of Nursing	University of Texas at Arlington School of Nursing	Clinical
2006	Glassybaby Scholarship for Oncology Nursing	University of Washington School of Nursing	Research
2006, 2007, 2008	Foster Scholarship Fund for Oncology Nursing Research	University of Washington School of Nursing	Research
2008	Poster Award: Master's Thesis	Western Institute of Nursing	Research
2009	Poster Award, First Place: Doctoral Dissertation Research	ONS 10 th National Conference on Cancer Nursing Research	Research
2009	Selected for Geriatric Nursing Summer Scholar Leadership Program	NYU Rory Meyers College of Nursing Hartford Institute for Geriatric Nursing	Teaching/leadership
2010	Selected for Interdisciplinary Scholars Communication Program	John A. Hartford Foundation	Teaching/leadership
2010	Faculty Staff Development Committee Travel Grant	NYU College of Dentistry Office of Professional Development	Research dissemination
2014	Rising Nurse Researcher Award	New York State Nurses Association	Research
2017	Selected as Fellow	American Academy of Nursing	
2019	Research Award	College of Nursing and Health Sciences, University of Massachusetts, Boston	Research

Report of Funded and Unfunded Projects

Funding Information

Past

- 2010-2014 Glycemic Status and Infections in Autologous hematopoietic cell transplantation (HCT) Recipients
NIH/National Institute of Nursing Research (NINR) K23NR012467
PI
The purpose of this study was to investigate associations between glycemic status, inflammatory biomarkers, and infection occurrences in patients with hematologic malignancies who received autologous HCT (\$316,474).
- 2011-2014 A Mixed Methods Study Investigating Self-Care Practices and Educational Needs Among Adults with Cancer and Comorbidities
NYU Cancer Institute Translational Science Research Award
PI
The purpose of this study was to assess the needs of patients undergoing treatment for a hematologic malignancy with the pre-existing comorbidity of cardiovascular disease and/or type 2 diabetes (\$50,000).
- 2011-2016 Symptom Clusters in Oncology Patients Receiving Chemotherapy
NIH/National Cancer Institute (NCI) R01CA134900
Co-Investigator (MPIs: Christine Miaskowski, Brad Aouizerat)
The purpose of this study was to investigate inter-individual symptom variability over two cycles of chemotherapy in patients undergoing treatment for solid tumor cancers.
- 2012-2014 Hyperglycemia and Symptom Severity in Patients with Cancer
NYU Pless Center for Nursing Research Pilot Award
PI
The purpose of this study was to assess associations between glycemic status and symptom severity in patients undergoing treatment for solid tumor cancers.
- 2012-2016 Pre-HCT Glycemic Status and Post-HCT Outcomes
The Tisch Cancer Institute – Mount Sinai Hospital
Co-PI (Co-PIs: Janet Van Cleave, NYU; Amir Steinberg, Mount Sinai)
The purpose of this study was to exam associations between pre-HCT glycemic status and post-HCT outcomes of infections, time-to-engraftment, hospital length of stay, and readmission rates (\$5,000).
- 2014-2016 Use of TouchScreen to Assess in Symptoms and Needs in Patients with Cancer Undergoing Treatment at the NYU
NYU Perlmutter Cancer Center
Co-PI (Co-PI: James Fraiman)
The purpose of this study was to evaluate the feasibility and acceptability of a touchscreen device to assess symptoms in patients undergoing treatment for cancer prior to their clinical appointments.

- 2014-2017 Exercise for Glycemic Control in Patients with Cancer: A Pilot Study
Eastern Nursing Research Society, NYU Perlmutter Cancer Center
Co-PI (Co-PI: Frances Cartwright)
The purpose of this study was to evaluate the impact of a prescribed walking program on glycemic control and symptom management in patients undergoing treatment for solid tumor cancers (\$30,000).
- 2015-2018 Treatment and Outcomes in Diabetic Breast Cancer Patients
NIH/NCI R01CA188353
Consultant (PI: Heather Gold)
The purpose of this study was to investigate care concordance of women with breast cancer who also had diabetes compared to women with breast cancer who did not have diabetes (salary support: \$7,000).
- 2019-2020 Biomarkers and Phenotypic Risk Factors for Breast Cancer Lymphedema
NIH/NCI R01CA187160
Site PI (\$10,808) (MPIs: Christine Miaskowski, John Levine)
The purpose of this study is to investigate inter-individual variability in lymphedema symptoms among women with breast cancer.
- 2020-2021 Factors associated with cancer-related symptoms in patients undergoing induction chemotherapy for acute myeloid leukemia
NIH/NINR Intramural Research Program (No grant number)
Subcontract PI (\$24,999) Co-PI (Co-PI: Leorey Saligan)
The purpose of this study is to identify the demographic, disease, lifestyle, health status, metabolic, mitochondrial, and immune/inflammatory factors associated with worst symptom experiences in patients receiving induction chemotherapy for AML.

Current

- 2022-2025 Comprehensive Outcomes for After Cancer Health (COACH): The Feasibility and Impact of an mHealth Augmented Coaching Program for Self-Management in Cancer Survivors
Pack Health, A Quest Diagnostics Company / GlaskoSmithKline (No grant number)
PI (\$343,000)
The purpose of this study is to test the feasibility and acceptability and explore the efficacy of a coaching program to guide self-care needs in patients following primary therapy for cancer.
- 2022-2025 Identification of factors associated with a high symptom burden and microbiome biosignature in patients with metastatic or advanced colorectal cancer
Mittelman Foundation (No grant number)
PI (\$500,000.00)
The purpose of this study is to identify subgroups of patients with distinct symptom profiles for the pre-specified symptom cluster of pain, fatigue, depression, and sleep disturbance and identify a microbiome biosignature that distinguishes between patients with a high versus low symptom burden.

2023-2025 Development and usability testing of nutritional algorithms for cancer health outcomes (NACHO) and quality of life during cancer treatment
 Cancer Nutrition Consortium
 PI (\$110,000)
 The purpose of this study is to develop and test a nutrition algorithm to aid in the nutritional needs of patients undergoing treatment for cancer.

Unfunded Current Projects

2020- A U.S. Based Mixed Methods Study to Assess Experiences and Care Needs of Patients with Cancer During the COVID-19 Pandemic
 Co-PI (Hammer and Cooley)
 The purpose of this study is to examines patients’ experiences while undergoing treatment for cancer during the COVID-19 pandemic

2019- Patient, Donor/Graft, and Treatment Factors Associated with Glycemic Profiles and Immune Reconstitution in Allogeneic Hematopoietic Cell Transplantation Recipients
 The purpose of this study is to analyze characteristics associated with glycemic profiles and immune reconstitution in a dataset of 500 patients who received allogeneic hematopoietic cell transplantation.

2018- Priority Assessment Tool for Women with Recurrent Ovarian Cancer
 Co-Investigator (PI: Stephanie Blank)
 I am a co-investigator for a pilot study that is assessing an instrument to better understand priorities for women with ovarian cancer to guide in their treatment decision-making.

Report of Local Teaching and Training
Teaching of Students in Courses

New York University

2009-2010	Advanced Pathophysiology I Graduate nursing students	NYU Rory Meyers College of Nursing 3 hrs/week
2010	Advanced Pathophysiology II Graduate nursing students	NYU Rory Meyers College of Nursing 3 hrs/week
2010	Psychoneuroimmunology Graduate nursing students	NYU Rory Meyers College of Nursing 3 hrs/week
2012	Integrative Seminar II Undergraduate students	NYU Rory Meyers College of Nursing 1 hr/week
2012-2014	Foundations of Genetics and Genomics for Health Care Undergraduate students	NYU Rory Meyers College of Nursing 3 hrs/week
2012-2015	Pathophysiology course: Diabetes lecture	NYU College of Dentistry

	Dental students	2hrs/semester
2014-2016	Contemporary Design & Methods II PhD nursing students	NYU Rory Meyers College of Nursing 3 hrs/week
2014-2016	Comparative Health Systems Undergraduate and Graduate students	NYU Rory Meyers College of Nursing 2-week intensive; 80 hrs
2015-2016	Contemporary Design & Methods I PhD nursing students	NYU Rory Meyers College of Nursing 3 hrs/week
2016-2019	Special Topics: Genetics and Genomics BSN Students	NYU Rory Meyers College of Nursing 3 hrs/semester; guest lectures
2016-2019	Special Topics: Oncology BSN Students	NYU Rory Meyers College of Nursing 3 hrs/semester; guest lectures

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2010-2012	Journal Club Dental students, post-doctoral fellows, nurse scientists	Bluestone Center at the NYU College of Dentistry 2 hrs/week
2010	Theory and Methods Dental students, post-doctoral fellows, nurse scientists	Bluestone Center at the NYU College of Dentistry 1 hr/week
2011	Tumor Necrosis Factor-Alpha Dental students, post-doctoral fellows, nurse scientists	Bluestone Center at the NYU College of Dentistry 1 hr/week
2011	Quantitative Research Methods Dental students, post-doctoral fellows, nurse scientists	Bluestone Center at the NYU College of Dentistry 1 hr/week
2011	Regulation of Toll-like Receptors in Pain Pathways Dental students, post-doctoral fellows, nurse scientists	Bluestone Center at the NYU College of Dentistry 1 hr/week
2012	Cancer and Diabetes Dental students, post-doctoral fellows, nurse scientists	Bluestone Center at the NYU College of Dentistry 1 hr/week
2012	Diabetes Dental students, post-doctoral fellows, nurse scientists	Bluestone Center at the NYU College of Dentistry 1 hr/week
2012	Hyperglycemia in Patients with Cancer	Bluestone Center at the NYU College of Dentistry

Dental students, post-doctoral fellows, 1 hr/week
nurse scientists

Laboratory and Other Research Supervisory and Training Responsibilities

2013-2019	PhD Research supervision Nursing PhD students	NYU Rory Meyers College of Nursing Biweekly/monthly 1:1 meetings; supplemental 1:1 meetings as necessary
2019-	Research supervision, mentorship Postdoctoral fellows Nurse scientists	DFCI 20 hours per week, 52 weeks per year 8 hours per week, 52 weeks per year

Mentored Trainees and Faculty

2011-2015	Fay Wright, PhD, APRN-BC, RN / Assistant Professor, NYU Meyers Nursing <i>Career stage:</i> PhD student // <i>Mentoring role:</i> Co-chair of dissertation committee / research advisor <i>Accomplishments:</i> Completed PhD program followed by a post-doctoral fellowship at Yale School of Nursing; 40 publications, 10 as first author; obtained PhD from NYU Meyers Nursing.	
2011-2019	Susan Storey, PhD, RN, AOCNS / Assistant Professor, University of Indiana School of Nursing, Indianapolis, IN <i>Career stage:</i> PhD student; junior faculty // <i>Mentoring role:</i> Research advisor <i>Accomplishments:</i> 30 publications, 10 as first author.	
2014-2016	Jill Olausson, PhD, RN, CDE / Chair, Masters' of Nursing in Healthcare Administration and Leadership and Nursing Education Programs and Assistant Professor, Azusa Pacific University, Azusa, CA <i>Career stage:</i> PhD student // <i>Mentoring role:</i> Research advisor <i>Accomplishments:</i> Five publications, two as first author; obtained PhD from University of Utah.	
2019-	Rachel Pozzar, PhD, Instructor, Medical Oncology, DFCI, Instructor, Medicine, HMS <i>Career stage:</i> Instructor // <i>Mentoring role:</i> Co-mentor <i>Accomplishments:</i> Dr. Pozzar was just awarded a K23 grant from the National Institute of Nursing Research. She was also the recipient of a National Palliative Care Research Center Kornfeld Scholars award. She has 33 peer-reviewed publications to date.	
2019-	Ijeoma Eche, PhD, Instructor, Medical Oncology, DFCI, Instructor, Medicine, HMS <i>Career stage:</i> Instructor // <i>Mentoring role:</i> Co-mentor <i>Accomplishments:</i> Dr. Eche received a National Palliative Care Research Center Kornfeld Scholars award and a diversity supplement to Dr. Joanne Wolfe's R01 funded study. She has 24 publications to date.	
2019-2021	Carolyn Phillips, PhD, Sponsored Employee, DFCI; Faculty, UT Austin <i>Career stage:</i> Assistant Professor // <i>Mentoring role:</i> Co-mentor	

Accomplishments: Dr. Phillips successfully completed her fellowship at DFCI and obtained a faculty appointment at the University of Texas, Austin. She remains a sponsored employee while completing a research study. She has four publications to date.

- 2021- Young Empowered Scientists for Continued Research Engagement [YES for CURE] students.
Career stage: College and high school students // *Mentoring role:* primary / co-mentor
Accomplishments: Students engage in a summer research project and present their findings in a podium or poster presentation at the end of the program.
- 2023-2025 Joosun Shin, PhD, Mittelman Post-Doctoral Fellow
Career stage: Post-doctoral fellow // *Mentoring role:* co-mentor
Accomplishments: 19 publications to date, 7 as first author.
- 2023-2024 Kate Oppegaard, PhD, U54 Post-Doctoral Fellow
Career stage: Post-doctoral fellow // *Mentoring role:* co-mentor
Accomplishments: 16 publications to date, 8 as first author.
- 2023-2024 David Asakitogum, PhD, UCSF
Career stage: Completed doctorate degree // *Mentoring role:* dissertation committee member
Accomplishments: 4 publications to date, 2 as first author.
- 2024-2025 Amelia Toye, PhD Student, Tan Chingfen Graduate School of Nursing, UMass Chan Medical School
Career stage: Dissertation defense // *Mentoring role:* dissertation committee member

Local Invited Presentations

No presentations below were sponsored by outside entities.

Local Abstract Oral Presentations

- 2010 Glycemic Status & Adverse Outcomes in Patients with Cancer
The NYU Hospitals Center Department of Nursing 14th Annual Nursing Research and Evidence-Based Practice Conference, New York, NY
- 2011 Glycemic Status & Infection Rates During the First 100 Days Post Allogeneic HCT
NYU Langone Medical Center 15th Annual Nursing Research and Evidence-Based Practice Conference, New York, NY
- 2011 Glycemic Status & Infections in Allogeneic Hematopoietic Cell Transplant Recipients
NYU Cancer Institute 8th Annual Translational Research Retreat, New York Academy of Medicine, New York, NY
- 2013 Associations Between Blood Glucose, Patient Factors, Immune Status, and Presence of Microorganisms in Autologous Hematopoietic Cell Transplant Recipients

NYU Langone Medical Center Department of Nursing 17th Annual Nursing and Evidence-Based Practice Conference, New York, NY

- 2013 An Investigation of Self-Care Practices and Educational Needs Among Adults with Cancer and Comorbidities
NYU Langone Medical Center, Department of Nursing, 17th Annual Nursing Research and Evidence-Based Practice Conference, New York, NY
- 2015 Using Biomarkers in Research – Associations Between Glycemic Status and Immune Function in Patients with Cancer
University of Massachusetts Amherst, Amherst, MA
- 2019 Critiquing the Literature: Focus on Nutrition
Department of Nutrition, DFCI/BWH, Boston, MA
- 2022 Post-doc Application & Preparedness Strategies
University of Massachusetts Tan Chinfen Graduate School of Nursing, Worcester, MA
- 2022 Overview of the Cantor Center and Program of Research
Division of Population Sciences, Department of Medical Oncology
Dana-Farber Cancer Institute, Boston, MA
- 2023 Updates in Symptom Science
Center for Outcomes and Policy Research Seminar
Division of Population Sciences, Department of Medical Oncology
Dana-Farber Cancer Institute, Boston, MA
- 2024 State of the Cantor Center
Faculty Meeting
Division of Population Sciences, Department of Medical Oncology
Dana-Farber Cancer Institute, Boston, MA
- 2024 Cantor Center Updates and the State of Symptom Science
Faculty Meeting
Department of Medical Oncology
Dana-Farber Cancer Institute, Boston, MA
- 2024 The AI Revolution – Implications for Oncology Research & Practice
Patient And Family Advocacy Council Meeting
Dana-Farber Cancer Institute, Boston, MA
- 2024 Updates in Precision Health Symptom Science
Center for Outcomes and Policy Research Seminar
Division of Population Sciences, Department of Medical Oncology
Dana-Farber Cancer Institute, Boston, MA
- 2025 Biomarkers and symptom experiences in patients with and survivors of cancer
Faculty Meeting
Division of Population Sciences, Department of Medical Oncology

Report of Regional, National and International Invited Teaching and Presentations

Invited Presentations and Courses

No presentations below were sponsored by outside entities.

Regional

- | | |
|------------------|--|
| 2007 | Current Trends in Cancer Symptom Management / Plenary Session
Harrison Medical Center, Bremerton, WA |
| 2008 | Glycemic Status in Hematopoietic Stem Cell Transplant Recipients / Lunchtime
Speaker Series
Seattle Cancer Care Alliance, Seattle, WA |
| 2009 | Glycemic Control in Patients with Cancer / Plenary Session
Puget Sound Chapter of the ONS, Seattle, WA |
| 2009 | Glycemic Status in Patients with Cancer: Immune Function, Outcomes, and
Implications for Nursing Practice / Invited speaker
Nursing Symposium, Highline Medical Center, Burien, WA |
| 2012-2013 | Cancer and Diabetes / Guest Lectures
Yale School of Nursing, New Haven, CT |
| 2017 | Glycemic Status and Immune Function in Patients with Cancer /Nursing Research
Forum, Lunchtime Lecture Series
Memorial Sloan Kettering Cancer Center, New York, NY |
| 2018 | Evidence Based Practice – Practice Based Evidence: Optimizing Patient Care /
Keynote, Evidence Based Practice Day
City University of New York Hunter Bellevue College of Nursing, New York, NY |
| 2018 | Nursing Science in the Oncogenomic Landscape / First Friday Lecture Series
Molloy College Barbara H. Hagan School of Nursing, Rockville Centre, NY |
| 2019 | Blood Glucose and Immune Function in Patients with Cancer / Research Forum on
Symptom Science: Advancing Nursing Practice, Plenary Session
New York Presbyterian Hospital, New York, NY |
| 2019 | Innovation and Technology in a Program of Patient-Centered Research / Keynote
Catholic Health Services of Long Island Evidence Based Practice and Nursing
Research Conference, St. Francis Hospital DeMatteis Center for Cardiac Research and
Education, Roslyn, NY |
| 2019-
present | Nurse scientist and leadership roles
Annual guest presentation |

New York University Rory Meyers College of Nursing
PhD Forum
New York, New York (virtual since 2020)

2025 Precision Health Symptom Science
The Ohio State University
PhD Forum
Columbus, Ohio (virtual)

National

2012 Diabetes and Infection / Symposium session
ONS Connections: Advancing Care Through Science Conference, Phoenix, AZ

2012 Glycemic Status and Immune Function in Patients with Cancer /The Bouvé Dean's
Seminar Series, Grand Rounds
Northeastern University Bouvé College of Health Sciences, Boston, MA

2016 The Role of Inflammation in Cancer (and the Tumor Microenvironment) / Plenary
Talk, Bench-to-Bedside Plenary Session
ONS 41st Annual Congress, San Antonio, TX

2017 Ethical Challenges in Oncology Research: Social Media, E-Informed Consent, and
Assent Considerations / Plenary session, Seminar
NIH Clinical Center, Bethesda, MD

2017 The Impact of Glycemic Status on Immune Function in Patients with Cancer / Grand
Rounds
NCI Center for Cancer Research, Bethesda, MD

2017 Translating Omics to Patient Care: Precision Medicine, Oncology, & Genomics / Panel
session
NINR Boot Camp: Precision Health, From 'Omics' to Data Science, NIH, Bethesda,
MD

2019 Implementation Science: Bridging the Gap Between Research & Practice / Research
Track Panel Session
ONS 44th Annual Congress, Anaheim, CA

2021 Precision Health and Biosignatures: A Model for Oncology Symptom Science
University of South Florida, Tampa, FL (virtual)

2021 Symptom Science in a Precision Health Model – Combining Biosignatures with Patient
Reported Outcomes
University of Washington, Seattle, WA (virtual)

2021 Precision Health: A Program of Research from Investigating Glycemic Status to
Identifying Symptom Biosignatures
Boston College, Boston, MA (virtual)

- 2021 The Genome of Research Ethics in Precision Health
Tenth International Conference on Ethics in Biology, Engineering and Medicine
Seattle, WA (virtual)
- 2021 Investigating Symptom Experiences and Outcomes in Individuals with Cancer Through
a Precision Health Lens
Stony Brook University
Stony Brook, NY (virtual)
- 2024 Research to Practice: Precision Health Elevating Patient-Centered Nursing Care –
Focus on Precision Health & Nursing Science
Friends of the National Library of Medicine
Bethesda, MD (virtual)
- 2024 Precision Health Oncology: Focus on Post-Treatment Co-Morbid Diabetes
49th Annual Oncology Nursing Society Congress
Washington, DC

National Abstract Oral Presentations

- 2009 The integral role of nursing in monitoring and managing glycemic status in patients with
cancer / Podium session
ONS 34th Annual Congress, San Antonio, TX
- 2010 Glycemic status and immune function in patients with cancer: a conceptual model /
Podium session
ONS 35th Annual Congress, San Diego, CA
- 2010 Monitoring glycemic status for infection control in older adults with cancer;
Physiological Status Related to Quality of Life in Older Adults Symposium / Symposium
session
Gerontological Society of America's 63rd Annual Scientific Meeting, New Orleans, LA
- 2011 Infection rates associated with glycemic status in allogeneic hematopoietic cell transplant
recipients
ONS 11th National Conference on Cancer Nursing Research, Los Angeles, CA
- 2011 Glycemic status and infections during the first 100 days post allogeneic HCT
Western Institute of Nursing Annual Research Conference, Las Vegas, NV
- 2012 Blood glucose & WBC status among autologous hematopoietic cell transplant recipients
Eastern Nursing Research Society 24th Annual Scientific Sessions, New Haven, CT
- 2012 Glycemic status and biomarkers in cancer / Biomarker symposium
Western Institute of Nursing Annual Research Conference, Portland, OR
- 2012 Blood glucose, leukocyte count, and infections in patients with hematologic
malignancies receiving autologous hematopoietic cell transplantation

Council for the Advancement of Nursing Science 2012 State of the Science Congress,
Washington, DC

- 2012 Glucose metabolism in older adults with cancer
Gerontological Society of America 65th Annual Research Conference, San Diego, CA
- 2012 Glycemic status and infection trends in autologous hematopoietic cell transplantation
Oncology Nursing Society, Connections: Advancing Care Through Science Conference,
Phoenix, AZ
- 2013 Self-care challenges of cancer with diabetes and/or cardiovascular disease.
Eastern Nursing Research Society 25th Annual Scientific Sessions, Washington, DC
- 2013 Self-Management Challenges for Older Adults with Cancer and Comorbidities
Gerontological Society of America 66th Annual Research Conference, New Orleans, LA
- 2014 Comparative Effectiveness / Cost Outcomes from a Collaborative Oncology Nursing
Program of Research
Eastern Nursing Research Society 26th Annual Scientific Sessions, Philadelphia, PA
- 2014 Risk Factors for Hyperglycemia and Infections in Patients Undergoing Autologous
Hematopoietic Cell Transplantation
Council for the Advancement of Nursing Science State-of-the-Science Congress,
Washington, DC
- 2014 Complex Needs of Patients with Comorbidities Undergoing Treatment for Cancer
Council for the Advancement of Nursing Science State-of-the-Science Congress,
Washington, DC
- 2014 Hyperglycemia in Older Autologous Hematopoietic Cell Transplantation Recipients
Gerontological Society of America 67th Annual Research Conference, Washington, DC
- 2015 Glycemic Status and Cytokine Expression Associated with Infections in Autologous
Hematopoietic Cell Transplantation Recipients
Eastern Nursing Research Society 27th Annual Scientific Sessions, Washington, DC
- 2016 Weighing in on BMI in Patients Undergoing Autologous Hematopoietic Cell
Transplantation
Eastern Nursing Research Society 28th Annual Scientific Sessions, Pittsburgh, PA
- 2016 Symposium: Determinants of Health Related to Glycemic Challenges in Oncology
Patients Symposium: Challenges in Patients undergoing Autologous Hematopoietic Cell
Transplantation
Council for the Advancement of Nursing Science State-of-the-Science Congress,
Washington, DC
- 2016 Associations Between Glycemic Status, Cytokine Expression, Leukocyte Responses, and
Infections in Autologous Hematopoietic Cell Transplantation Recipients

Council for the Advancement of Nursing Science State-of-the-Science Congress,
Washington, DC

- 2018 Exercise for Glycemic Control and Symptom Management Among Patients Undergoing
Chemotherapy Treatment for Cancer
Eastern Nursing Research Society 30th Annual Scientific Sessions, Newark, NJ
- 2018 Exercise for Glycemic Control & Cancer Symptom Management
Council for the Advancement of Nursing Science State-of-the-Science Congress,
Washington, DC
- 2021 Implementation Science Symposium: Dose and Timing of a Prescribed Walking Program
for Patients with Cancer
2021 Eastern Nursing Research Society Virtual Scientific Sessions
- 2023 Trial in Progress: Comprehensive Outcomes for After Cancer Health (COACH): A
Randomized Wait List Control of Physiologic and Patient Reported Health Outcomes for
Individuals Following Primary Cancer Therapy
2023 American Association for Cancer Research Annual Meeting
Orlando, FL
- 2023 Feasibility of Enrolling Patients Newly Diagnosed with Acute Myeloid Leukemia Into a
Symptom Science Study with Correlative Blood Samples
2023 Oncology Nursing Society Annual Congress
San Antonio, TX
- 2025 Changes in Physical Function and Inflammatory Gut Microbiota in Survivors of Cancer
Multinational Association of Supportive Care in Cancer
President's Pick session
Seattle, WA

International

- 2011 How Glycemic Status Impacts Immune Function in Patients with Cancer / Plenary
Hong Kong Sanatorium and Hospital, Hong Kong, China
- 2014 Glycemic Status and Immune Function in Patients with Cancer / Keynote
4th Annual International Seminar on Promotion of Health and Nursing Care, University
of Pernambuco, Recife, Brazil
- 2014 Research Methods / Closing Keynote speaker
4th Annual International Seminar on Promotion of Health and Nursing Care, University
of Pernambuco, Recife, Brazil
- 2019 Precision Health and Omics Medicine / Webinar Presentation
International Association of Clinical Research Nurses (Facilitated through NIH
Clinical Center Nursing Education Department)
- 2019 A Prescribed Walking Program Improves Glycemic Control and Symptom
Management in Patients with Cancer

Multinational Association of Supportive Care in Cancer
San Francisco, CA, USA

- 2023 Cancer Symptom Science Expert Meeting – Keynote Session II: Biomarkers on the Road to Biosignatures – where are we now?
Lausanne, Switzerland
- 2024 Precision Health Symptom Science
Canadian Cancer Trials Group Annual Spring Meeting – Supportive Care Group
Toronto, Canada
- 2024 Biomarkers in Symptom Science
Multinational Supportive Care in Cancer Annual Meeting
Chemotherapy-Induced Peripheral Neuropathy Subgroup Meeting
Lille, France
- 2024 Precision Health Symptom Science
Grand Rounds
University of Lausanne
Lausanne, Switzerland

International Abstract Oral Presentations

- 2011 The influence of glycemic status on cancer formation and outcomes / Podium session
Fifth Pan-Pacific Nursing Conference and Seventh Nursing Symposium on Cancer
Care, Hong Kong, China
- 2022 A Prespecified Symptom Cluster is Associated with Perturbations in Inflammatory
Pathways in Outpatients Receiving Chemotherapy
International Society of Nurses in Genetics 2022 World Congress
Durham, North Carolina, USA
- 2024 Expert Lecture: Surfing Toward International Partnerships in Precision Symptom
Science
International Society of Nurses in Genetics
San Diego, CA
- 2025 Expert Lecture: Stop the Clock! Precision Health Focus on Epigenetic Aging
(*Accepted abstract*) International Society of Nurses in Genetics
Montreal, Canada

Report of Clinical Activities and Innovations

Current Licensure and Certification

- 2009- Registered Professional Nurse, New York
2018- Registered Nurse, Massachusetts

Practice Activities

Clinically, in the past I have practiced as a chiropractor, patient care associate, and registered nurse.

1998-2002	Ambulatory	Chiropractic clinic / Sabin Chiropractic, San Francisco, CA	Five eight-to-ten-hour days per week
2003-2004	Inpatient	Orthopedic/Neurology / Baylor Medical Center at Irving, Irving, TX	Two to three eight-hour per diem shifts per week
2004-2005	Inpatient	Oncology / Baylor Medical Center at Irving, Irving, TX	Five to eight eight-hour shifts per week

Clinical Innovations

Scholarship activities focused on precision health and omics research ethics (2015-)	As an associate editor for the <i>Oncology Nursing Forum</i> research journal (2015-2017), I developed a series of commentaries related to research ethics, predominately focused on precision health and omics science. Based on these publications, I was invited to facilitate a research ethics seminar at the NIH Clinical Center, write 2 manuscripts related to ethical, legal, and social implications in genomics research (PMID: 30683550; DOI: 10.1615/EthicsBiologyEngMed.2021038584), and present a webinar on precision health and omics medicine research ethics to the International Association of Clinical Research Nurses. In alignment with these scholarship activities, I am the vice chair of the American Academy of Nursing Expert Panel on Genomic Nursing & Health Care. This expert panel develops position statements related to ethical and policy issues, and disseminates new genetic information in practice, research, and education.
---	---

Report of Teaching and Education Innovations

Research Assistance Program (2012)	I co-developed a research assistance program in 2012 with Dr. Fran Cartwright at the New York University Langone Medical Center and NYU Rory Meyers College of Nursing. We created a program for nursing students at all levels to participate in ongoing research studies as research assistants. We developed didactic and clinical skills training materials. Students were oriented in cohorts together and then specifically trained to the study they were assigned to. Research experiences included screening, consenting, surveying, and collecting blood samples. Upon graduation, these students were given priority for employment opportunities at NYU Langone Medical Center. We developed this same model program at Mount Sinai Hospital in 2016 expanding the RA opportunity to all area schools of nursing as well as Mount Sinai clinical nurses interested in learning about research.
Genetics Course (2012)	As a faculty member, I developed and implemented a new semester long genetics course into the core curriculum of a nursing program at New York

University. The goal of this course was to introduce students to the basic understanding of genetics and genomics in healthcare including multiple genetically-linked disorders, research, ethics, and clinical applications. Learning occurred through presentations, readings, discussions (in-class and through an online platform), group projects, and examinations. I directed the course for 2 years until the material became part of a new special topics course. I also handed over the materials to other faculty members in 2014, but also continued to deliver the lectures.

Comparative Health
Systems International
Course (2014)

I co-led and then led and redesigned an international two-week intensive course in comparative health systems in Florence, Italy. Learning occurred through presentations, discussions between Florentine nurses, nursing students, and healthcare providers and NYU nursing students; evaluation and presentation (undergraduate students) or paper (graduate students) of targeted healthcare needs within the Florentine community; and written assignments related to cultural observations and healthcare, both historic and contemporary. I facilitated the course for 3 years and handed over the materials to a junior faculty member.

Monthly Workshops
(2016-2019)

As the Director of Research and Evidence Based Practice in the Department of Nursing at Mount Sinai Hospital, I instituted a monthly workshop program through the Center for Nursing Research and Innovation. Clinical nurses and EBP fellows would participate in these workshops related to conducting research studies. Specifically, sessions included conducting literature searches, the institutional review board process, the ethical conduction of research / regulatory guidelines, manuscript writing, abstract development and presentation tips, and career advancement discussions. The sessions were in person and also available in real time via WebEx. Continuing education units were offered.

Annual Nursing
Research Day (2016-
2019)

As the Director of Research and Evidence Based Practice in the Department of Nursing at Mount Sinai Hospital, I was responsible for facilitating an annual nursing research day. The day included invited speakers, podium and poster presentations, and networking opportunities for researchers, nurses, and students. Recorded keynote sessions were shown for the nighttime hospital staff. Continue nursing education units were offered.

Developed Evidence-
Based-Practice
Fellowship Program
(2016-2019)

As the Director of Research and Evidence-Based Practice at Mount Sinai Hospital, I facilitated the development of an evidence-based practice fellowship with nursing students and clinical nurses to conduct evidence-based practice and quality improvement projects that helped with the improvement of clinical practice. Examples of projects included: an educational activity to enhance emergency preparedness for an armed intruder, a program for parents to read to their newborns in the neonatal intensive care unit, a protocol to improve hand hygiene with meal tray distribution, and the adoption and testing of an enhanced protocol to screen for pressure injuries. Over the course of three years, 16 student/clinical nurse teams completed projects.

Report of Education of Patients and Service to the Community

Activities

- 1994-1995 Jacob Perlow Hospice, Beth Israel Medical Center, New York, NY / Volunteer
Participated as a volunteer in providing massage therapy for comfort to patients on hospice care.
- 1997-1998 Leland House for HIV+ Patients, San Francisco, CA / Volunteer
Participated as a volunteer in providing massage therapy for comfort to individuals who were HIV+ and those diagnosed with AIDS.
- 1997-2002 Hospice by The Bay, San Francisco, CA / Volunteer
Participated as a volunteer in providing massage therapy for comfort to individuals on hospice care.
- 2002 Project Open Hand, San Francisco, CA / Volunteer
Participated as a volunteer in providing meals to individuals in need within the San Francisco Bay area.
- 2003 Health Fair, Arlington, TX / Volunteer
Participated as a nursing student volunteer in taking blood pressures at a community health care event.
- 2009 Community Presentation through the Puget Sound Chapter of the Oncology Nursing Society / Volunteer
Presented and discussed blood glucose management with women with cancer who were members of the Seattle Gilda's Club.
- 2009-2014 New York University Komen Breast Cancer Walk team / Volunteer
Contributed to and assisted in annual fundraising event through NYU Meyers Nursing

Report of Scholarship

Peer-Reviewed Publications in Print or Other Media

Research investigations

1. **Hammer MJ***, Casper C*, Gooley TA, O'Donnell PV, Boeckh M, Hirsch IB. The contribution of malglycemia to mortality among hematopoietic cell transplant recipients. *Biol Blood Marrow Transplant.* 2009; 15(3):344-51. PMID: 19203725.
*Drs. Hammer and Casper contributed equally to this work.
2. **Hammer MJ**, Motzer SA, Voss J, Berry DL. Glycemic control among older Adult hematopoietic cell transplant recipients. *J Gerontol Nursing.* 2010; 36(2), 40-50. PMID: 2004724 [featured in MD Link]

3. Berry DL, Cunningham T, Eisenberg S, Wickline M, **Hammer M**, Berg C. Improving patient knowledge of discharge medications in an oncology setting. *Clin J Oncol Nurs*. 2014; 18(1): 35-7. PMID: 24476724
4. Miaskowski CM, Cooper B, Melisko M, Chen L-M, Mastick J, West C, Paul S, Dunn L, Schmidt BL, **Hammer MJ**, Cartwright F, Wright F, Langford D, Lee K, Aouizerat B. Disease and treatment characteristics do not predict symptom occurrence profiles in oncology outpatients receiving chemotherapy. *Cancer*. 2014; 120(15), 2371-8. PMID: 24797450; PMCID: PMC4108553.
5. D'Angelo D, Mastroianni C, **Hammer MJ**, Piredda M, Vellone E, Alvaro R, De Marinis MG. Continuity of Care During End of Life: An Evolutionary Concept Analysis. *Intl J Nurs Knowl*. 2015; 26(2):80-9. PMID: 24898036.
6. Wright F, D'Eramo Melkus G, **Hammer M**, Schmidt BL, Knobf MT, Paul SM, Cartwright F, Mastick J, Cooper BA, Chen LM, Melisko M, Levine JD, Kober K, Aouizerat BE, Miaskowski C. Predictors and Trajectories of Morning Fatigue Are Distinct from Evening Fatigue. *J Pain Symptom Manage*. 2015; 50(2):176-89. PMID: 25828559; PMCID: PMC4526314.
7. Wright F, D'Eramo Melkus G, **Hammer M**, Schmidt BL, Knobf MT, Paul SM, Cartwright F, Mastick J, Cooper BA, Chen LM, Melisko M, Levine JD, Kober K, Aouizerat BE, Miaskowski C. Trajectories of Evening Fatigue in Oncology Outpatients Receiving Chemotherapy. *J Pain Symptom Manage*. 2015; 50(2):163-75. PMID: 25828560; PMCID: PMC4526403.
8. **Hammer MJ**, Aouizerat B, Wright F, Cartwright F, Schmidt BL, Miaskowski C. Glycosylated hemoglobin A1c and lack of association with symptom severity in patients undergoing chemotherapy for solid tumors. *Oncol Nurs Forum*. 2015; 42(6): 581-90. PMID:26488828.
9. Piredda M, Mararese M, Mastroianni C, D'Angelo D, **Hammer MJ**, De Marinis MG. Adult patients' experiences of nursing care dependence. *J Nurs Scholarsh*. 2015; 47 (5); 397-406. PMID: 26235597.
10. **Hammer MJ**, Melkus GD, Knobf MT, Casper C, Fletcher J, and Cleland, CM. Glycemic status and infection risk in non-diabetic autologous hematopoietic cell transplantation recipients. *Biol Res Nurs*. 2016; 18(3):344-50 PMID: 26792914; PMCID: PMC5942491.
11. Kober K, Dunn L, Mastick J, Cooper B, Warr D, Melisko M, Venook A., Chen L-M, Wright F, **Hammer MJ**, Schmidt BL, Levine J, Miaskowski C, Aouizerat B. Gene Expression Profiling of Evening Fatigue in Women Undergoing Chemotherapy for Breast Cancer. *Biol Res Nurs*. 2016;18(4):370-85. PMID: 26957308; PMCID: PMC5575784.
12. Kober KM, Cooper BA, Paul SM, Dunn LB, Levine JD, Wright F, **Hammer MJ**, Mastick J, Venook A, Aouizerat BE, Miaskowski C. Subgroups of chemotherapy patients with distinct morning and evening fatigue trajectories. *Support Care Cancer*. 2016; 24(4):1473-85. PMID: 26361758; PMCID: PMC5473960.
13. Langford DJ, Paul SM, Cooper B, Kober KM, Mastick J, Melisko M, Levine JD, Wright F, **Hammer MJ**, Cartwright F, Lee KA, Aouizerat BE, Miaskowski C. Comparison of subgroups of breast cancer patients on pain and co-occurring symptoms following chemotherapy. *Support Care Cancer*. 2016; 24(2):605-14. PMID: 26142303.

14. Bischel LE, Ritchie C, Kober M, Paul SM, Cooper BAS, Chen LM, Levine JD, **Hammer M**, Wright F, Miaskowski C. Age differences in fatigue, decrements in energy, and sleep disturbance in oncology patients receiving chemotherapy. *Eur J Oncol Nurs*. 2016; 23:115-23. PMID: 27456383; PMCID: PMC4968953.
15. Olausson JM, Clark L, Morse JM, **Hammer M**, Allen N, Grant M. Psychosocial response to new-onset diabetes as a long-term effect of allogeneic hematopoietic stem cell transplantation. *Qual Health Res*. 2017; 27(12):1816-27. PMID: 28728478.
16. Mark S, Cataldo J, Dhruva A, Paul SM, Chen LM, **Hammer MJ**, Levine JD, Wright F, Melisko M, Lee K, Conley YP, Miaskowski C. Modifiable and non-modifiable characteristics associated with sleep disturbance in oncology outpatients during chemotherapy. *Support Care Cancer*. 2017; 25(8):2485-94. PMID: 28281049; PMCID: PMC5481474.
17. Miaskowski C, Cooper BA, Aouizerat B, Melisko M, Chen LM, Dunn L, Hu X, Kober KM, Mastick J, Levine JD, **Hammer M**, Wright F, Harris J, Armes J, Furlong E, Fox P, Ream E, Maguire R, Kearney N. The symptom phenotype of oncology outpatients remains relatively stable from prior to through 1 week following chemotherapy. *Eur J Cancer Care*. 2017; 26(3):e12437. PMID: 26777053.
18. Wong ML, Paul SM, Cooper BA, Dunn LB, **Hammer MJ**, Conley YP, Wright F, Levine JD, Walter LC, Cartwright F, Miaskowski C. Predictors of the multidimensional symptom experience of lung cancer patients receiving chemotherapy. *Support Care Cancer*. 2017; 25(6):1931-9. PMID: 28160076; PMCID: PMC5433346.
19. Colley A, Halpern J, Paul S, Mico G, Lahiff M, Wright F, Levine JD, Mastick J, **Hammer MJ**, Miaskowski C, Dunn LB. Factors associated with oncology patients' involvement in shared decision-making during chemotherapy. *Psychooncology*. 2017; 26(11):1972-9. PMID: 27649058; PMCID: PMC5698800.
20. Abid H, Kober KK, Smoot B, Paul SM, **Hammer M**, Levine JD, Lee K, Wright F, Cooper BA, Conley YP, Miaskowski C. Common and Distinct Characteristics Associated with Trajectories of Morning and Evening Energy in Oncology Patients Receiving Chemotherapy. *J Pain Symptom Manage*. 2017; 53(5):887-900.e2. PMID: 28063861; PMCID: PMC5410179.
21. Wright F, **Hammer MJ**, Paul SM, Aouizerat BE, Kober KM, Conley YP, Cooper BA, Dunn LB, Levine JD, Melkus GD, Miaskowski C. Inflammatory Pathway Genes Associated with Inter-Individual Variability in the Trajectories of Morning and Evening Fatigue in Patients Receiving Chemotherapy. *Cytokine*. 2017; 91:187-210. PMID: 28110208; PMCID: PMC5318191.
22. Wong ML, Cooper BA, Paul SM, Levine JD, Conley YP, Wright F, **Hammer M**, Miaskowski C. Differences in Symptom Clusters Identified Using Ratings of Symptom Occurrence Versus Severity in Lung Cancer Patients Receiving Chemotherapy. *J Pain Symptom Manage*. 2017;54(2):194-203 PMID: 28533161; PMCID: PMC5557657.
23. Langford DJ, Cooper B, Paul S, Humphreys J, Keagy C, Conley YP, **Hammer MJ**, Levine JD, Wright F, Melisko M, Miaskowski C, Dunn LB. Evaluation of Coping as a Mediator of the Relationship Between Stressful Life Events and Cancer-Related Distress. *Health Psychol*. 2017; 36(12):1147-60. PMID: 28825498; PMCID: PMC5712475.

24. Morgan S, Cooper B, Paul S, **Hammer MJ**, Conley YP, Levine JD, Miaskowski C, Dunn LB. Association of personality profiles with depressive, anxiety, and cancer-related symptoms in patients undergoing chemotherapy. *Pers Individ Dif*. 2017;117:130-8. PMID: 29479128; PMCID: PMC5822738.
25. Wright F, Cooper BA, Conley YP, **Hammer MJ**, Chen LM, Paul SM, Levine JD, Miaskowski C, Kober KM. Distinct evening fatigue profiles in oncology outpatients receiving chemotherapy. *Fatigue*. 2017;5(3):131-44. PMID: 29725554; PMCID: PMC5926814.
26. Flowers E, Miaskowski C, Conley Y, **Hammer MJ**, Levine J, Mastick J, Paul S, Wright F, Kober K. Differential expression of genes and differentially perturbed pathways associated with very high evening fatigue in oncology patients receiving chemotherapy. *Support Care Cancer*. 2018; 26(3): 739-50. PMID: 28944404; PMCID: PMC5786567.
27. Papachristou N, Barnaghi P, Cooper BA, Hu X, Maguire R, Apostolidis K, Armes J, Conley YP, **Hammer M**, Katsaragakis S, Kober KM, Levine JD, McCann L, Patiraki E, Paul SM, Ream E, Wright F, Miaskowski C. Congruence Between Latent Class and K-Modes Analyses in the Identification of Oncology Patients with Distinct Symptom Experiences. *J Pain Symptom Manage*. 2018; 55(2):318-33.e4 8.020. PMID: 28859882; PMCID: PMC5794511.
28. Sullivan CW, Leutwyler H, Dunn LB, Cooper BA, Paul SM, Levine JD, **Hammer M**, Conley YP, Miaskowski CA. Stability of symptom clusters in patients with breast cancer receiving chemotherapy. *J Pain Symptom Manage*. 2018; 55(1), 39-55. PMID: 28838866; PMCID: PMC5734998.
29. Tantoy IY, Cooper BA, Dhruva A, Cataldo J, Paul SM, Conley YP, **Hammer M**, Wright F, Dunn LB, Levine JD, Miaskowski C. Changes in the occurrence, severity, and distress of symptoms in patients with gastrointestinal cancers receiving chemotherapy. *J Pain Symptom Manage*. 2018; 55(3):808-34. PMID: 29051114; PMCID: PMC5834370.
30. Tantoy IY, Cooper BA, Dhruva A, Cataldo J, Paul SM, Conley YP, **Hammer M**, Kober KM, Levine JD, Miaskowski C. Quality of life of patients with gastrointestinal cancers undergoing chemotherapy. *Qual Life Res*. 2018; 27(7):1865-76. PMID: 29679368; PMCID: PMC5999562.
31. Singh KP, Kober KM, Dhruva AA, Flowers E, Paul SM, **Hammer MJ**, Cartwright F, Wright F, Conley YP, Levine JD, Miaskowski C. Risk factors associated with chemotherapy-induced nausea in the week before the next cycle and impact of nausea on quality of life outcomes. *J Pain Symptom Manage*. 2018; 56(3):352-62. PMID: 29857180.
32. Kober KM, Mazor M, Abrams G, Olshen A, Conley YP, **Hammer M**, Schumacher M, Chesney M, Smoot B, Mastick J, Paul SM, Levine JD, Miaskowski C. Phenotypic characterization of paclitaxel-induced peripheral neuropathy in cancer survivors. *J Pain Symptom Manage*. 2018; 56(6):908-19.e3. PMID: 30172061; PMCID: PMC6289693.
33. Kober K, Olshen A, Conley Y, Schumacher M, Topp K, Smoot BJ, Mazor M, Chesney M, **Hammer M**, Paul S, Levine J, Miaskowski C. Expression of mitochondrial dysfunction related genes and pathways in paclitaxel-induced peripheral neuropathy in breast cancer survivors. *Mol Pain*. 2018; 14:1744806918816462. PMID: 30426838; PMCID: PMC6293373.
34. Papachristou N, Puschmann D, Barnaghi P, Cooper B, Hu X, Maguire R, Apostolidis KP, Conley Y, **Hammer M**, Katsaragakis SM, Kober KD, Levine J, McCann L, Patiraki EP, Furlong

- EA, Fox PM, Paul S, Ream E, Wright F, Miaskowski C. Learning from data to predict future symptoms of oncology patients. *PLOS One*. 2018;13(12):e0208808. PMID: 30596658; PMCID: PMC6312306.
35. Miaskowski C, Paul SM, Mastick J, Abrams G, Topp K, Smoot B, Kober KM, Chesney M, Schumacher M, Conley YP, **Hammer M**, Cheung S, Borsook D, Levine JD. Contribution of loss of large fiber function to pain in 2 samples of oncology patients. *Clin J Pain*. 2019; 35(1):37-42. PMID: 30247200; PMCID: PMC6309865.
 36. Flowers E, Flentje A, Levine J, Olshen A, **Hammer M**, Paul S, Conley Y, Miaskowski C, Kober KM. A pilot study using a multistaged integrated analysis of gene expression and methylation to evaluate mechanisms for evening fatigue in women who received chemotherapy for breast cancer. *Biol Res Nurs*. 2019; 21(2):142-56. PMID: 30701989.
 37. Russell J, Wong ML, Mackin L, Paul SM, Cooper BA, **Hammer M**, Conley YP, Wright F, Levine JD, Miaskowski C. Stability of symptom clusters in patients with lung cancer receiving chemotherapy. *J Pain Symptom Manage*. 2019; 57(5):909-22. PMID: 30768960; PMCID: PMC6486424.
 38. Wright F, Dunn LB, Paul SB, Conley YP, Levine JD, **Hammer MJ**, Cooper BA, Miaskowski C, Kober KM. Morning fatigue severity profiles in oncology outpatients receiving chemotherapy. *Cancer Nurs*. 2019;42(5):355-64. PMID: 30024437; PMCID: PMC6336532.
 39. **Hammer MJ**, Paul SM, Steinberg A, Eckardt P, Barton-Burke M, Miaskowski C. Trajectories of fasting blood glucose in autologous hematopoietic cell transplantation. *Cancer Nurs*. 2019;42(4):307-13. PMID: 30024438; PMCID: PMC6336533.
 40. Steinberg A, Van Cleave J, Parikh A, Moshier E, Ru M, Lawson M, Marks D Montelibano A, Philpott A, Garner K, **Hammer M**. The effect of glucose levels prior to hematopoietic cell transplantation on post-transplant complications and health resource utilization. *Intl J Hematol Oncol Stem Cell Res*. 2019;13(3):122-31. PMID: 31649802 PMCID: PMC6801324.
 41. Han CJ, Reding K, Cooper BA, Paul SM, Conley YP, **Hammer M**, Kober KM, Levine JD, Miaskowski C. Stability of symptom clusters in patients with gastrointestinal cancer receiving chemotherapy. *J Pain Symptom Manage*. 2019;58(6):989-1001.e10. PMID: 31404646
 42. Han CJ, Reding K, Cooper BA, Paul SM, Conley YP, **Hammer M**, Wright F, Cartwright F, Levine JD, Miaskowski C. Symptom clusters in patients with gastrointestinal cancers using different dimensions of the symptom experience. *J Pain Symptom Manage*. 2019;58(2):224-34. PMID: 31077784
 43. Tejada M, Viele C, Kober K, Cooper B, Paul S, Dunn L, **Hammer M**, Wright F, Conley Y, Levine J, Miaskowski C. Identification of subgroups of chemotherapy patients with distinct sleep disturbance profiles and associated co-occurring symptoms. *Sleep*. 2019;42(10): zsz151. PMID: 31361899.
 44. Nolden A, Joseph PV, Kober KM, Cooper BA, Paul SM, **Hammer MJ**, Dunn LB, Conley YP, Levine JD, Miaskowski C. Co-occurring gastrointestinal symptoms are associated with taste changes in oncology patients receiving chemotherapy. *J Pain Symptom Manage*. 2019; 58(5):756-65. PMID: 31349034

45. Kober KM, Schumacher M, Conley YP, Topp K, Mazor M, **Hammer MJ**, Paul SM, Levine JD, Miaskowski C. Signaling pathways and gene co-expression modules associated with cytoskeleton and axon morphology in breast cancer survivors with chronic paclitaxel-induced peripheral neuropathy. *Mol Pain*. 2019;15: 1744806919878088. PMID: 31486345
46. Petrovchich I, Kober KM, Wagner L, Paul SM, Abrams G, Chesney MA, Topp K, Smoot B, Schumacher M, Conley YP, **Hammer M**, Levine JD, Miaskowski C. Deleterious Effects of Higher Body Mass Index on Subjective and Objective Measures of Chemotherapy-Induced Peripheral Neuropathy in Cancer Survivors. *J Pain Symptom Manage*. 2019; 58(2): 252-263. PMID: 31047960.
47. Atallah M, Cooper B, Muñoz RF, Paul SM, Anguera J, Levine JD, **Hammer M**, Wright F, Chen LM, Melisko M, Conley YP, Miaskowski C, Dunn LB. Psychological Symptoms and Stress Are Associated with Decrements in Attentional Function in Cancer Patients Undergoing Chemotherapy. *Cancer Nurs*. 2019 Apr 15. doi: 10.1097/NCC.0000000000000713. [Epub ahead of print] PMID: 30998605.
48. Singh K, Kober KM, Paul SM, **Hammer M**, Wright F, Conley YP, Levine JD, Miaskowski C. Gastrointestinal symptoms are associated with trajectories of chemotherapy-induced nausea. *Support Care Cancer*. 2020;28(5):2205-2215. PMID: 31428931
49. Gold HT, Shao H, Oratz R, Yu O, **Hammer M**, Richardson S, Boudreau D. Association of Diabetes and Other Clinical and Sociodemographic Factors with Guideline-concordant Breast Cancer Treatment for Breast Cancer. *Am J Clin Oncol*. 2020; 43(2): 101-6. PMID: 31850918.
50. Langford DJ, Cooper B, Paul S, Humphreys J, **Hammer MJ**, Levine J, Conley YP, Wright F, Dunn LB, Miaskowski C. Distinct Stress Profiles Among Oncology Patients Undergoing Chemotherapy. *J Pain Symptom Manage*. 2020; 59(3): 646-57. PMID 31711968.
51. Langford DJ, Morgan S, Cooper B, Paul S, Kober K, Wright F, **Hammer MJ**, Conley YP, Levine JD, Miaskowski C, Dunn LB. Association of personality profiles with coping and adjustment to cancer among patients undergoing chemotherapy. *Psychooncology*. 2020;29(6):1060-7. PMID 32154960.
52. Liebermann E, **Hammer MJ**, Gúzman NF, Van Devanter N, Ompad D. Dominican Provider Practices for Cervical Cancer Screening in Santo Domingo and Monte Plata Provinces. *J Cancer Educ*. 2020 Jan 17. doi: 10.1007/s13187-020-01690-9. [Epub ahead of print] PMID 31953801; PMCID: PMC7239734 (available on 2021-06-01).
53. Singh KP, Dhruva A, Flowers E, Paul SM, **Hammer MJ**, Wright F, Cartwright F, Conley YP, Melisko M, Levine JD, Miaskowski C, Kober KM. Alterations in Patterns of Gene Expression and Perturbed Pathways in the Gut-Brain Axis Are Associated with Chemotherapy-Induced Nausea. *J Pain Symptom Manage*. 2020;59(6):1248-59. PMID 31923555.
54. Jakovljevic K, Kober KM, Block A, Cooper BA, Paul SM, **Hammer MJ**, Cartwright F, Conley YP, Wright F, Dunn LB, Levine JD, Miaskowski C. Higher Levels of Stress Are Associated With a Significant Symptom Burden in Oncology Outpatients Receiving Chemotherapy. *J Pain Symptom Manage*. 2020;S0885-3924(20)30631-X. Online ahead of print. PMID: 32721501.
55. Utne I, Cooper BA, Ritchie C, Wong M, Dunn LB, Loyland B, Grov EK, **Hammer MJ**, Paul SM, Levine JD, Conley YP, Kober KM, Miaskowski C. Co-occurrence of decrements in

physical and cognitive function is common in older oncology patients receiving chemotherapy. *Eur J Oncol Nurs*. 2020;48:101823. PMID: 32835999.

56. Miaskowski C, Paul SM, Snowberg K, Abbott M, Borno H, Chang S, Chen LM, Cohen B, Cooper BA, **Hammer MJ**, Kenfield SA, Laffan A, Levine JD, Pozzar R, Tsai KK, Van Blarigan EL, Van Loon K. Oncology patients' perceptions of and experiences with COVID-19. *Support Care Cancer*. 2020;1-10. PMID: 32809060; PMCID: PMC7431899.
57. Oppegaard KR, Dunn LB, Kober KM, Mackin L, **Hammer MJ**, Conley YP, Levine J, Miaskowski C. Gender Differences in the Use of Engagement and Disengagement Coping Strategies in Patients with Cancer Receiving Chemotherapy. *Oncol Nurs Forum*. 2020;47(5):586-94. PMID: 32830804.
58. Miaskowski C, Paul SM, Snowberg K, Abbott M, Borno H, Chang S, Chen LM, Cohen B, **Hammer MJ**, Kenfield SA, Kober KM, Levine JD, Pozzar R, Rhoads KF, Van Blarigan EL, Van Loon K. Stress and Symptom Burden in Oncology Patients During the COVID-19 Pandemic. *J Pain Symptom Manage*. 2020;S0885-3924(20)30724-7. Online ahead of print. PMID: 32889309; PMCID: PMC7462969.
59. Pozzar R, **Hammer MJ**, Underhill-Blazey M, Wright AA, Tulsy JA, Hong F, Gundersen DA, Berry DL. Threats of bots and other bad actors to data quality following research participant recruitment through social media: cross-sectional questionnaire. *J Med Internet Res*. 2020;22(10):e23021. doi: 10.2196/23021
60. **Hammer MJ**, Eckardt P, Cartwright F, Miaskowski C. Prescribed Walking for Glycemic Control and Symptom Management in Patients without Diabetes Undergoing Chemotherapy. *Nurs Res*. 2021 Jan/Feb;70(1):6-14. 10.1097/NNR.0000000000000468. PMID: 32852358.
61. Lin Y, Bailey DE Jr, Docherty SL, Porter LS, Cooper BA, Paul SM, Kober KM, **Hammer MJ**, Wright F, Dunn LB, Conley YP, Levine JD, Miaskowski C. Distinct profiles of multiple co-occurring symptoms in patients with gastrointestinal cancers receiving chemotherapy. *Support Care Cancer*. 2021 Jan 16. doi: 10.1007/s00520-020-05946-4. Epub ahead of print. PMID: 33454824.
62. Pozzar RA, **Hammer MJ**, Paul SM, Cooper BA, Kober KM, Conley YP, Levine JD, Miaskowski C. Distinct sleep disturbance profiles among patients with gynecologic cancer receiving chemotherapy. *Gynecol Oncol*. 2021 Sep 11:S0090-8258(21)01333-0. doi: 10.1016/j.ygyno.2021.09.002. Epub ahead of print. PMID: 34521555.
63. Pozzar RA, **Hammer MJ**, Cooper BA, Kober KM, Chen LM, Paul SM, Conley YP, Levine JD, Miaskowski C. Symptom Clusters in Patients With Gynecologic Cancer Receiving Chemotherapy. *Oncol Nurs Forum*. 2021 Jul 1;48(4):441-452. doi: 10.1188/21.ONF.441-452. PMID: 34143001.
64. Miaskowski C, Paul SM, Snowberg K, Abbott M, Borno HT, Chang SM, Chen LM, Cohen B, Cooper BA, **Hammer MJ**, Kenfield SA, Kober KM, Laffan A, Levine JD, Pozzar R, Rhoads K, Tsai KK, Van Blarigan EL, Van Loon K. Loneliness and symptom burden in oncology patients during the COVID-19 pandemic. *Cancer*. 2021 Sep 1;127(17):3246-3253. doi: 10.1002/cncr.33603. Epub 2021 Apr 27. PMID: 33905528.

65. Mastick J, Smoot BJ, Paul SM, Kober KM, Cooper BA, Madden LK, Conley YP, Dixit N, **Hammer MJ**, Fu MR, Piper M, Cate SP, Shepherd J, Miaskowski C. Assessment of Arm Volume Using a Tape Measure Versus a 3D Optical Scanner in Survivors with Breast Cancer-Related Lymphedema. *Lymphat Res Biol*. 2021 Mar 23. doi: 10.1089/lrb.2020.0119. Epub ahead of print. PMID: 33761290.
66. Colomer-Lahiguera S, Ribí K, Dunnack HJ, Cooley ME, **Hammer MJ**, Miaskowski C, Eicher M. Experiences of people affected by cancer during the outbreak of the COVID-19 pandemic: an exploratory qualitative analysis of public online forums. *Support Care Cancer*. 2021 Sep;29(9):4979-4985. doi: 10.1007/s00520-021-06041-y. Epub 2021 Feb 11. PMID: 33576878; PMCID: PMC7878172.
67. Joseph PV, Nolden A, Kober KM, Paul SM, Cooper BA, Conley YP, **Hammer MJ**, Wright F, Levine JD, Miaskowski C. Fatigue, Stress, and Functional Status are Associated With Taste Changes in Oncology Patients Receiving Chemotherapy. *J Pain Symptom Manage*. 2021 Aug;62(2):373-382.e2. doi: 10.1016/j.jpainsymman.2020.11.029. Epub 2020 Nov 28. PMID: 33259906; PMCID: PMC8160023.
68. Mastick J, Smoot BJ, Paul SM, Kober KM, Hamolsky D, Madden LK, Conley YP, Dixit N, **Hammer MJ**, Fu MR, Miaskowski C. A Comparison of Supine Versus Stand-on Bioimpedance Devices to Assess Breast Cancer-Related Lymphedema. *Lymphat Res Biol*. 2021 Feb 9. doi: 10.1089/lrb.2020.0058. Epub ahead of print. PMID: 33567232.
69. Singh K, Cao H, Miaskowski C, Conley YP, Hammer M, Wright F, Levine JD, Kober KM. Perturbations in Endocytotic and Apoptotic Pathways Are Associated With Chemotherapy-Induced Nausea. *Biol Res Nurs*. 2021 Apr;23(2):238-247. doi: 10.1177/1099800420951271. Epub 2020 Aug 20. PMID: 32815385; PMCID: PMC8822189.
70. Smoot BJ, Mastick J, Shepherd J, Paul SM, Kober KM, Cooper BA, Conley YP, Dixit N, **Hammer MJ**, Fu MR, Abrams G, Miaskowski C. Use of Dual-Energy X-Ray Absorptiometry to Assess Soft Tissue Composition in Breast Cancer Survivors With and Without Lymphedema. *Lymphat Res Biol*. 2021 Nov 18. doi: 10.1089/lrb.2021.0030. Epub ahead of print. PMID: 34793255.
71. Langford DJ, Eaton L, Kober KM, Paul SM, Cooper BA, **Hammer MJ**, Conley YP, Wright F, Dunn LB, Levine JD, Miaskowski C. A high stress profile is associated with severe pain in oncology patients receiving chemotherapy. *Eur J Oncol Nurs*. 2022 Mar 27;58:102135. doi: 10.1016/j.ejon.2022.102135. Epub ahead of print. PMID: 35366425.
72. **Hammer MJ**, Cooper B, Paul SM, Kober KM, Cartwright F, Conley YP, Wright F, Levine JD, Miaskowski C. Identification of Distinct Symptom Profiles in Cancer Patients Using a Pre-Specified Symptom Cluster. *J Pain Symptom Manage*. 2022 Mar 25:S0885-3924(22)00474-2. doi: 10.1016/j.jpainsymman.2022.03.007. Epub ahead of print. PMID: 35339613.
73. Calvo-Schimmel A, Paul SM, Cooper BA, Harris C, Shin J, Oppegaard K, **Hammer MJ**, Dunn LB, Conley YP, Kober KM, Levine JD, Miaskowski C. Oncology outpatients with worse depression and sleep disturbance profiles are at increased risk for a higher symptom burden and

poorer quality of life outcomes. *Sleep Med.* 2022 Jul;95:91-104. doi: 10.1016/j.sleep.2022.04.023. Epub 2022 May 2. PMID: 35569331.

74. Harris CS, Kober KM, Cooper B, Conley YP, Dhruva AA, **Hammer MJ**, Paul S, Levine JD, Miaskowski CA. Symptom clusters in outpatients with cancer using different dimensions of the symptom experience. *Support Care Cancer.* 2022 May 11. doi: 10.1007/s00520-022-07125-z. Epub ahead of print. PMID: 35543816.
75. Jabaley T, Bagley J, Beardslee B, **Hammer MJ**. Ambulatory Oncology Nurses Weigh in About 12-Hour Shifts. *J Nurs Adm.* 2022 Sep 1;52(9):491-497. doi: 10.1097/NNA.0000000000001177. PMID: 35994604.
76. Pozzar RA, **Hammer MJ**, Cooper BA, Kober KM, Chen LM, Paul SM, Conley YP, Cartwright F, Wright F, Levine JD, Miaskowski C. Stability of Symptom Clusters in Patients With Gynecologic Cancer Receiving Chemotherapy. *Cancer Nurs.* 2022 Jul-Aug 01;45(4):E706-E718. doi: 10.1097/NCC.0000000000000988. Epub 2021 Sep 23. PMID: 34560709; PMCID: PMC8940749.
77. Pozzar RA, Xiong N, Mazzola E, Wright AA, Goff BA, Tulsy JA, **Hammer MJ**, Berry DL. Health-related quality of life, patient-centred communication and self-efficacy in ovarian cancer: a mediation analysis. *BMJ Support Palliat Care.* 2022 Nov 14;spcare-2022-004029. doi: 10.1136/spcare-2022-004029. Epub ahead of print. PMID: 36376058.
78. Lin Y, Bailey DE Jr, Docherty SL, Porter LS, Cooper BA, Paul SM, **Hammer MJ**, Conley YP, Levine JD, Miaskowski C. Distinct Sleep Disturbance Profiles in Patients With Gastrointestinal Cancers Receiving Chemotherapy. *Cancer Nurs.* 2022 Mar-Apr 01;45(2):E417-E427. doi: 10.1097/NCC.0000000000000975. PMID: 34183521; PMCID: PMC8712619.
79. Calvo-Schimmel A, Paul SM, Cooper BA, Shin J, Harris C, Oppegaard K, **Hammer MJ**, Cartwright F, Conley YP, Kober KM, Levine JD, Miaskowski C. Oncology Outpatients With Worse Anxiety and Sleep Disturbance Profiles Are at Increased Risk for a Higher Symptom Burden and Poorer Quality of Life. *Cancer Nurs.* 2022 Jun 8. doi: 10.1097/NCC.0000000000001139. Epub ahead of print. PMID: 35688433.
80. Rasmussen Mandolfo N, Berger AM, Struwe LA, Shade MY, Goldner W, Klute K, Langenfeld SJ, **Hammer MJ**. Glycemic Variability in Patients With Stage II-III Colon Cancer Treated With Surgery and Adjuvant Chemotherapy. *Oncol Nurs Forum.* 2022 Oct 20;49(6):571-584. doi: 10.1188/22.ONF.571-584. PMID: 36413736.
81. Huang V, Mackin L, Kober KM, Paul SM, Cooper BA, Conley YP, **Hammer MJ**, Levine JD, Miaskowski C. Distinct sleep disturbance and cognitive dysfunction profiles in oncology outpatients receiving chemotherapy. *Support Care Cancer.* 2022 Nov;30(11):9243-9254. doi: 10.1007/s00520-022-07350-6. Epub 2022 Sep 6. PMID: 36066629.
82. Suskin JA, Paul S, Stuckey AR, Conley YP, **Hammer MJ**, Miaskowski C, Dunn LB. Anxiety trajectories: An observational study of women undergoing chemotherapy for breast or gynecological cancer. *Eur J Oncol Nurs.* 2022 Dec;61:102227. doi: 10.1016/j.ejon.2022.102227. Epub 2022 Oct 13. PMID: 36332456.

83. Pozzar RA, Xiong N, Hong F, Wright AA, Goff BA, Underhill-Blazey ML, Tulsy JA, **Hammer MJ**, Berry DL. How does patient-centered communication in ovarian cancer care enhance patient well-being? A mixed methods study. *Gynecol Oncol*. 2022 Aug 31:S0090-8258(22)00573-X. doi: 10.1016/j.ygyno.2022.08.019. Epub ahead of print. PMID: 36057465.
84. Kober KM, Harris C, Conley YP, Dhruva A, Dokiparthi V, **Hammer MJ**, Levine JD, Oppegaard K, Paul S, Shin J, Sucher A, Wright F, Yuen B, Olshen AB, Miaskowski C. Perturbations in common and distinct inflammatory pathways associated with morning and evening fatigue in outpatients receiving chemotherapy. *Cancer Med*. 2022 Nov 14. doi: 10.1002/cam4.5435. Epub ahead of print. PMID: 36373573.
85. Romanovska V, Block A, Paul SM, Cooper BA, **Hammer MJ**, Conley YP, Levine JD, Kober KM, Miaskowski C. Exploration of the Relationships Between Stress and Distinct Pain and Sleep Disturbance Profiles in Patients Undergoing Chemotherapy. *Cancer Nurs*. 2022 Dec 28. doi: 10.1097/NCC.0000000000001185. Epub ahead of print. PMID: 36584234.
86. Bouvron B, Mackin L, Kober KM, Paul SM, Cooper BA, Conley YP, **Hammer MJ**, Wright F, Levine JD, Miaskowski C. Impact of worst pain severity and morning fatigue profiles on oncology outpatients' symptom burden and quality of life. *Support Care Cancer*. 2022 Dec;30(12):9929-9944. doi: 10.1007/s00520-022-07431-6. Epub 2022 Nov 10. PMID: 36355215.
87. Harris CS, Kober K, Cooper B, Conley YP, **Hammer MJ**, Dhruva AA, Cartwright F, Paul S, Levine J, Miaskowski C. Symptom clusters in oncology outpatients: stability and consistency across a cycle of chemotherapy. *BMJ Support Palliat Care*. 2022 Nov 29;bmjspcare-2022-003785. doi: 10.1136/spcare-2022-003785. Epub ahead of print. PMID: 36446517.
88. Shin J, Oppegaard K, Calvo-Schimmel A, Harris C, Cooper BA, Paul SM, Conley YP, **Hammer MJ**, Cartwright F, Kober KM, Levine JD, Miaskowski C. Distinct Worst Pain Profiles in Oncology Outpatients Undergoing Chemotherapy. *Cancer Nurs*. 2023 May-Jun 01;46(3):176-188. doi: 10.1097/NCC.0000000000001095. Epub 2022 Dec 10. PMID: 35439202; PMCID: PMC9554042.
89. Wright F, Cooper BA, Paul SM, **Hammer MJ**, Conley YP, Levine JD, Miaskowski C, Kober KM. Distinct Profiles of Morning and Evening Fatigue Co-Occurrence in Patients During Chemotherapy. *Nurs Res*. 2023 Apr 18. doi: 10.1097/NNR.0000000000000661. Epub ahead of print. PMID: 37084242.
90. Harris CS, Miaskowski CA, Conley YP, **Hammer MJ**, Dunn LB, Dhruva AA, Levine JD, Olshen AB, Kober KM. Epigenetic Regulation of Inflammatory Mechanisms and a Psychological Symptom Cluster in Patients Receiving Chemotherapy. *Nurs Res*. 2023 May-Jun 01;72(3):200-210. doi: 10.1097/NNR.0000000000000643. Epub 2023 Mar 17. PMID: 36929768; PMCID: PMC10121746.
91. Kober KM, Roy R, Conley Y, Dhruva A, **Hammer MJ**, Levine J, Olshen A, Miaskowski C. Prediction of morning fatigue severity in outpatients receiving chemotherapy: less may still be more. *Support Care Cancer*. 2023 Apr 11;31(5):253. doi: 10.1007/s00520-023-07723-5. PMID: 37039882.

92. Harris CS, Miaskowski CA, Conley YP, **Hammer MJ**, Dhruva AA, Levine JD, Olshen AB, Kober KM. Gastrointestinal Symptom Cluster is Associated With Epigenetic Regulation of Lymphotoxin Beta in Oncology Patients Receiving Chemotherapy. *Biol Res Nurs*. 2023 Jan;25(1):51-64. doi: 10.1177/10998004221115863. Epub 2022 Aug 5. PMID: 35929442; PMCID: PMC9900252.
93. Calvo-Schimmel A, Kober KM, Paul SM, Cooper BA, Harris C, Shin J, **Hammer MJ**, Conley YP, Dokiparthi V, Olshen A, Levine JD, Miaskowski C. Sleep disturbance is associated with perturbations in immune-inflammatory pathways in oncology outpatients undergoing chemotherapy. *Sleep Med*. 2023 Jan;101:305-315. doi: 10.1016/j.sleep.2022.11.014. Epub 2022 Nov 21. PMID: 36470166.
94. Pozzar RA, **Hammer MJ**, Paul SM, Cooper BA, Conley YP, Chen LM, Levine JD, Miaskowski C. Associations Between Distinct State Anxiety Profiles, Exposure to Stressful Life Events, Resilience, and Coping in Patients with Gynecologic Cancers Receiving Chemotherapy. *Semin Oncol Nurs*. 2023 May 8:151431. doi: 10.1016/j.soncn.2023.151431. Epub ahead of print. PMID: 37164885.
95. Calvo-Schimmel A, Paul SM, Cooper BA, Harris C, Shin J, Oppegaard K, **Hammer MJ**, Cartwright F, Conley YP, Kober KM, Levine JD, Miaskowski C. Various types of stress and greater use of disengagement coping are associated with worse sleep disturbance in oncology patients undergoing chemotherapy. *Stress Health*. 2023 Jun 2. doi: 10.1002/smi.3279. Epub ahead of print. PMID: 37265072.
96. **Hammer MJ**, Cooper BA, Chen LM, Wright AA, Pozzar R, Blank SV, Cohen B, Dunn L, Paul S, Conley YP, Levine JD, Miaskowski C. Identification of distinct symptom profiles in patients with gynecologic cancers using a pre-specified symptom cluster. *Support Care Cancer*. 2023 Jul 22;31(8):485. doi: 10.1007/s00520-023-07954-6. PMID: 37480403.
97. Davis JK, Mark S, Mackin L, Paul SM, Cooper BA, Conley YP, **Hammer MJ**, Levine JD, Miaskowski C. Sleep disturbance and decrements in morning energy contribute to a higher symptom burden in oncology patients. *Sleep Med*. 2023 Aug;108:124-136. doi: 10.1016/j.sleep.2023.06.004. Epub 2023 Jun 3. PMID: 37354746.
98. Ballesteros O, Mark S, Block A, Mackin L, Paul S, Cooper B, Abbott M, Chang S, **Hammer MJ**, Levine J, Pozzar R, Snowberg K, Tsai K, Van Blarigan E, Van Loon K, Miaskowski CA. COVID-19 pandemic stress and cancer symptom burden. *BMJ Support Palliat Care*. 2023 Aug 4:spcare-2023-004319. doi: 10.1136/spcare-2023-004319. Epub ahead of print. PMID: 37541779.
99. Han CJ, Rosko AE, Spakowicz DJ, **Hammer MJ**, Von Ah D. Associations of frailty with symptoms, and HRQOL in older cancer survivors after cancer treatments: a systematic review and meta-analyses. *Qual Life Res*. 2023 Oct 28. doi: 10.1007/s11136-023-03537-4. Epub ahead of print. PMID: 37897643.
100. Leung SOA, Villa A, Duffey-Lind E, Welch K, Jabaley T, **Hammer M**, Feldman S. An Interactive Educational Tool to Improve Human Papillomavirus Vaccine Knowledge and Recommendation Among Nurses. *J Cancer Educ*. 2023 Dec;38(6):1880-1886. doi: 10.1007/s13187-023-02352-2. Epub 2023 Aug 23. PMID: 37610520.

101. Gray TF, Do KM, Amonoo HL, Sullivan L, Kelkar A, Pirl W, **Hammer M**, Tulskey JA, El-Jawahri A, Cutler C, Partridge AH. Family Caregiver Experiences in the Inpatient and Outpatient Reduced-Intensity Conditioning Allogeneic Hematopoietic Cell Transplantation Settings: A Qualitative Study. *Transplant Cell Ther.* 2023 Sep 30:S2666-6367(23)01576-2. doi: 10.1016/j.jtct.2023.09.023. Epub ahead of print. PMID: 37783339.
102. Kelkar AH, Hantel A, Koranteng E, Cutler CS, **Hammer MJ**, Abel GA. Digital Health to Patient-Facing Artificial Intelligence: Ethical Implications and Threats to Dignity for Patients With Cancer. *JCO Oncol Pract.* 2023 Nov 3:OP2300412. doi: 10.1200/OP.23.00412. Epub ahead of print. PMID: 37922435.
103. Oppegaard KR, Mayo SJ, Armstrong TS, Kober KM, Anguera J, **Hammer MJ**, Levine JD, Conley YP, Paul S, Cooper B, Miaskowski C. Adverse Childhood Experiences and Higher Levels of Stress Are Associated With the Co-occurrence of Cancer-Related Cognitive Impairment and Anxiety. *Semin Oncol Nurs.* 2023 Dec;39(6):151513. doi: 10.1016/j.soncn.2023.151513. Epub 2023 Oct 31. PMID: 37914659.
104. Hun Kwak J, Mackin LA, Block A, Paul SM, Cooper BA, Abbott M, Chang SM, **Hammer MJ**, Kober KM, Levine JD, Pozzar R, Rhoads KF, Snowberg KE, Tsai KK, Van Blarigan EL, Van Loon K, Miaskowski C. Risk Factors for a Higher Symptom Burden in Patients With Cancer During the COVID-19 Pandemic. *Oncol Nurs Forum.* 2023 Aug 17;50(5):647-664. doi: 10.1188/23.ONF.647-664. PMID: 37677766.
105. Singh KP, Cooper BA, Tofthagen CS, Fryer JD, Singh P, Pituch K, Zhu Q, Gu H, **Hammer MJ**, Conley YP, Levine JD, Miaskowski C. Higher Levels of Stress and Neuropsychological Symptoms Are Associated With a High Nausea Profile in Patients With Cancer Receiving Chemotherapy. *Oncol Nurs Forum.* 2023 Jun 15;50(4):461-473. doi: 10.1188/23.ONF.461-473. PMID: 37677748.
106. Lin Y, Bailey DE, Docherty SL, Porter LS, Cooper B, Paul S, Kober K, **Hammer MJ**, Wright F, Conley Y, Levine J, Miaskowski C. Distinct morning and evening fatigue profiles in gastrointestinal cancer during chemotherapy. *BMJ Support Palliat Care.* 2023 Dec 7;13(e2):e373-e381. doi: 10.1136/bmjspcare-2021-002914. PMID: 34049967; PMCID: PMC8627530.
107. Chen J, Mark S, Mackin L, Paul SM, Cooper BA, **Hammer MJ**, Conley YP, Levine JD, Miaskowski C. Increased Stress Is Associated With Severe Pain and Decrements in Cognitive Function in Patients Receiving Chemotherapy. *Semin Oncol Nurs.* 2024 Jan 19:151577. doi: 10.1016/j.soncn.2023.151577. Epub ahead of print. PMID: 38245388.
108. Calvo-Schimmel A, **Hammer MJ**, Wright AA, Blank SV, Cohen B, Harris C, Shin J, Conley Y, Paul S, Cooper B, Levine JD, Miaskowski C. Worse Depression Profiles Are Associated With Higher Symptom Burden and Poorer Quality of Life in Patients With Gynecologic Cancer. *Cancer Nurs.* 2024 Jan 23. doi: 10.1097/NCC.0000000000001296. Epub ahead of print. PMID: 38259059.
109. Garcia P, Block A, Mark S, Mackin L, Paul SM, Cooper BA, Conley YP, **Hammer MJ**, Levine JD, Miaskowski C. Higher Levels of Multiple Types of Stress Are Associated With Worse State

Anxiety and Morning Fatigue Profiles in Patients Receiving Chemotherapy. *Cancer Nurs.* 2024 Jan 23. doi: 10.1097/NCC.0000000000001304. Epub ahead of print. PMID: 38259094.

110. Morse L, Cooper BA, Ritchie CS, Wong ML, Kober KM, Harris C, Shin J, Oppegaard K, **Hammer MJ**, Schimmel AC, Paul SM, Conley YP, Levine JD, Miaskowski C. Stability and consistency of symptom clusters in younger versus older patients receiving chemotherapy. *BMC Geriatr.* 2024 Feb 16;24(1):164. doi: 10.1186/s12877-024-04755-2. PMID: 38365584; PMCID: PMC10870638.
111. Miaskowski C, Conley YP, Cooper BA, Paul SM, Smoot BJ, **Hammer MJ**, Fu M, Levine JD. Identification Of A Higher Risk Lymphedema Phenotype And Associations With Cytokine Gene Polymorphisms. *J Pain Symptom Manage.* 2024 Feb 1:S0885-3924(24)00054-X. doi: 10.1016/j.jpainsymman.2024.01.033. Epub ahead of print. PMID: 38307372.
112. Wright F, Cooper BA, **Hammer MJ**, Paul SM, Conley YP, Levine JD, Miaskowski C, Kober KM. Stress Exposures Contribute to Worse Joint Morning and Evening Fatigue Profiles in Patients With Cancer During Chemotherapy. *Oncol Nurs Forum.* 2024 Feb 19;51(2):89-106. doi: 10.1188/24.ONF.89-106. PMID: 38442280.
113. Shin J, Miaskowski C, Wong ML, Yates P, Olshen AB, Roy R, Dokiparthi V, Cooper B, Paul S, Conley YP, Levine JD, **Hammer MJ**, Kober K. Perturbations in inflammatory pathways are associated with shortness of breath profiles in oncology patients receiving chemotherapy. *Support Care Cancer.* 2024 Mar 26;32(4):250. doi: 10.1007/s00520-024-08446-x. PMID: 38532105.
114. Oppegaard KR, Mayo SJ, Armstrong TS, Dokiparthi V, Melisko M, Levine JD, Olshen AB, Anguera JA, Roy R, Paul S, Cooper B, Conley YP, **Hammer MJ**, Miaskowski C, Kober KM. Neurodegenerative disease pathways are perturbed in patients with cancer who self-report cognitive changes and anxiety: A pathway impact analysis. *Cancer.* 2024 Apr 27. doi: 10.1002/cncr.35336. Epub ahead of print. PMID: 38676932.
115. Oppegaard KR, **Hammer MJ**, Conley YP, Harris CS, Cooper BA, Paul SM, Shin J, Morse L, Abrams GM, Levine JD, Miaskowski C. Self-Reported Cancer-Related Cognitive Impairment in Patients With Breast Cancer Is Associated With Potassium Channel Gene Polymorphisms. *Oncol Nurs Forum.* 2024 Apr 18;51(3):263-274. doi: 10.1188/24.ONF.263-274. PMID: 38668911.
116. Calvo-Schimmel A, Shin J, Harris CS, Morse L, Paul SM, Cooper BA, Conley YP, Wright F, **Hammer MJ**, Levine JD, Miaskowski C. Stress and Coping in Patients With Cancer With Depression and Sleep Disturbance. *Oncol Nurs Forum.* 2024 Apr 18;51(3):243-262. doi: 10.1188/24.ONF.243-262. PMID: 38668910.
117. Coupe K, Block A, Mark S, Cooper BA, Paul SM, Dunn LB, **Hammer MJ**, Conley YP, Levine JD, Miaskowski C. Increases in stress and adverse childhood experiences are associated with the co-occurrence of anxiety and depression in oncology patients. *J Psychosoc Oncol.* 2024 Mar 25:1-24. doi: 10.1080/07347332.2024.2326146. Epub ahead of print. PMID: 38528755.
118. Shin J, **Hammer M**, Cooley ME, Cooper BA, Paul SM, Cartwright F, Kober KM, Conley YP, Levine JD, Miaskowski C. Common and distinct risk factors that influence more severe and

distressing shortness of breath profiles in oncology outpatients. *Cancer Med.* 2024 Feb;13(3):e7013. doi: 10.1002/cam4.7013. PMID: 38400684; PMCID: PMC10891479.

119. Lin Y, Bailey DE, Xiao C, **Hammer M**, Paul SM, Cooper BA, Conley YP, Levine JD, Kober KM, Miaskowski C. Distinct Co-occurring Morning and Evening Fatigue Profiles in Patients With Gastrointestinal Cancers Receiving Chemotherapy. *Cancer Nurs.* 2024 Jan-Feb 01;47(1):E28-E37. doi: 10.1097/NCC.0000000000001148. Epub 2022 Dec 11. PMID: 36076314; PMCID: PMC10232668.
120. Singh KP, Cooper BA, Paul SM, Ruddy K, Singh AB, Chen J, Pituch KA, Grys TE, Singh P, Batalini F, **Hammer MJ**, Levine JD, Miaskowski C. Gastrointestinal and Neuropsychological Symptoms Are Associated With Distinct Vomiting Profiles in Patients Receiving Chemotherapy. *Oncol Nurs Forum.* 2024 Jun 14;51(4):361-380. doi: 10.1188/24.ONF.361-380. PMID: 38950093.
121. Sheng Y, Conley YP, Paul SM, Cooper BA, Carpenter JS, **Hammer MJ**, Levine JD, Miaskowski C. Palpitations in Women With Breast Cancer Are Associated With Polymorphisms for Neurotransmitter Genes. *Oncol Nurs Forum.* 2024 Jun 14;51(4):332-348. doi: 10.1188/24.ONF.332-348. PMID: 38950091.
122. Seven M, Pearlman J, Moraitis AM, Reid A, Sturgeon SR, Wenzel J, **Hammer MJ**. Exploration of Stress and Inflammatory Biomarkers Among Non-Hispanic Black and Hispanic Cancer Survivors. *Oncol Nurs Forum.* 2024 Jun 14;51(4):321-331. doi: 10.1188/24.ONF.321-331. PMID: 38950090.
123. Shin J, **Hammer MJ**, Cooley ME, Cooper BA, Paul SM, Conley YP, Kober KM, Levine JD, Miaskowski C. Lower Income, Smoking, Cardiopulmonary Comorbidities, and Higher Symptom Burden Influence the Occurrence of Cough in Patients Receiving Chemotherapy. *Oncol Nurs Forum.* 2024 Jun 14;51(4):E4-E24. doi: 10.1188/24.ONF.E4-E24. PMID: 38950088.
124. Miaskowski C, Conley YP, Levine JD, Cooper BA, Paul SM, **Hammer MJ**, Oppegaard K, Harris C, Shin J, Abrams G, Asakitogum D, Fu MR, Alismal S. Chronic Decrements in Energy in Women with Breast Cancer are Associated with Cytokine Gene Polymorphisms. *Semin Oncol Nurs.* 2024 Jun 3:151652. doi: 10.1016/j.soncn.2024.151652. Epub ahead of print. PMID: 38834449.
125. Asakitogum DA, Nutor JJ, Pozzar R, **Hammer M**, Alismail S, Kober KM, Miaskowski C. Multidimensional Model of Energy in Patients With Cancer. *Semin Oncol Nurs.* 2024 Jun;40(3):151644. doi: 10.1016/j.soncn.2024.151644. Epub 2024 Apr 30. PMID: 38692969.
126. Asakitogum DA, Nutor JJ, **Hammer MJ**, Pozzar R, Paul SM, Cooper BA, Conley YP, Levine J, Miaskowski C. Decrements in Morning and Evening Energy Are Associated With a Higher Symptom Burden in Patients With Gynecologic Cancers Receiving Chemotherapy. *Cancer Nurs.* 2024 Nov 1. doi: 10.1097/NCC.0000000000001420. Epub ahead of print. PMID: 39485897.
127. Pozzar RA, Yackel HD, Eche-Ugwu IJ, **Hammer MJ**, Cooley ME. Cancer care experiences, resilience, and psychological symptoms among patients with and without distress during the COVID-19 pandemic: A mixed methods study. *Oncol Nurs Forum.* In Press.

128. Colomer-Lahiguera S, Pozzar RA, Cooper BA, Paul SM, Snowberg K, Kenfield SA, Chang SM, Abbott M, Van Blarigan EL, Levine JD, Eicher M, **Hammer MJ**, Miaskowski C. Worse Psychological Profiles Are Associated With Higher Levels of Stress and Symptom Burden in Patients With Cancer During the COVID-19 Pandemic. *Oncol Nurs Forum*. 2024 Oct 17;51(6):529-546. doi: 10.1188/24.ONF.529-546. PMID: 39431690.
129. Seven M, Adawudu EA, Moraitis AM, Evans BD, Sturgeon S, Wenzel J, **Hammer MJ**. Experiences in Recruitment for Hispanic, Non-Hispanic Black, and Other Non-White Cancer Survivors Through Community Outreach and Other Targeted Approaches. *Semin Oncol Nurs*. 2024 Aug 30:151719. doi: 10.1016/j.soncn.2024.151719. Epub ahead of print. PMID: 39217031.
130. Shelley A, Mark S, Block A, Paul SM, Cooper BA, Hammer MJ, Conley YP, Levine J, Miaskowski C. Worse Morning Energy Profiles Are Associated with Significant Levels of Stress and Decrements in Resilience in Patients Receiving Chemotherapy. *Semin Oncol Nurs*. 2024 Oct;40(5):151718. doi: 10.1016/j.soncn.2024.151718. Epub 2024 Aug 20. PMID: 39164158.
131. Shin J, **Hammer MJ**, Paul SM, Conley YP, Harris C, Oppegaard K, Morse L, Cooper BA, Levine JD, Miaskowski C. Associations Between Preoperative Shortness of Breath and Potassium Channels Gene Variations in Women With Breast Cancer. *Biol Res Nurs*. 2024 Aug 13:10998004241268088. doi: 10.1177/10998004241268088. Epub ahead of print. PMID: 39137431.
132. Allaire L, Block A, Paul SM, Hammer MJ, Conley YP, Cooper BA, Levine JD, Miaskowski C. Unrelieved Stress, Decreased Resilience, and Disengagement Coping Strategies Are Associated With Lower Levels of Hope in Patients With Cancer. *Oncol Nurs Forum*. 2024 Dec 12;52(1):23-40. doi: 10.1188/25.ONF.23-40. PMID: 39933108.
133. Seven M, Moraitis AM, Pearlman J, Reid AE, Sturgeon S, Wenzel J, **Hammer MJ**. The Interplay of Psycho-Social Determinants on Quality of Life and Health Behaviors Among Hispanic, Non-Hispanic Black Cancer Survivors. *Semin Oncol Nurs*. 2024 Aug 10:151698. doi: 10.1016/j.soncn.2024.151698. Epub ahead of print. PMID: 39129095.
134. Suskin JA, Paul SM, Stuckey AR, Conley YP, Levine JD, **Hammer MJ**, Miaskowski C, Dunn LB. Trajectories of Depressive Symptoms Among Patients Undergoing Chemotherapy for Breast, Gastrointestinal, Gynecological, or Lung Cancer. *Cancer Nurs*. 2024 Aug 1. doi: 10.1097/NCC.0000000000001380. Epub ahead of print. PMID: 39106444.
135. Oppegaard KR, Conley YP, Paul S, Cooper B, Harris CS, Shin J, Morse L, Levine JD, Cartwright F, Roy R, Melisko M, Kober KM, Hammer MJ, Miaskowski C. Self-reported cancer-related cognitive impairment is associated with perturbed neurotransmission pathways. *J Neural Transm (Vienna)*. 2025 Feb;132(2):275-286. doi: 10.1007/s00702-024-02824-9. Epub 2024 Sep 26. PMID: 39325169; PMCID: PMC11785672.
136. Ayangba Asakitogum D, Nutor JJ, Hammer MJ, Pozzar RA, Cooper BA, Paul SM, Conley YP, Levine JD, Miaskowski C. Distinct Morning and Evening Fatigue Profiles in Patients With Gynecologic Cancers Receiving Chemotherapy. *Oncol Nurs Forum*. 2025 Feb 18;52(2):E35-E57. doi: 10.1188/25.ONF.E35-E57. PMID: 40028983.

137. Pozzar RA, Dunnack Yackel H, Eche-Ugwu IJ, **Hammer MJ**, Cooley ME. Cancer Care Experiences, Resilience, and Psychological Symptoms Among Patients During the COVID-19 Pandemic: A Mixed-Methods Study. *Oncol Nurs Forum*. 2025 Feb 18;52(2):97-112. doi: 10.1188/25.ONF.97-112. PMID: 40028986.
138. Harris C, **Hammer MJ**, Conley YP, Paul SM, Cooper BA, Shin J, Oppegaard K, Morse L, Levine JD, Miaskowski C. Impact of Multimorbidity on Symptom Burden and Symptom Clusters in Patients Receiving Chemotherapy. *Cancer Med*. 2025 Feb;14(3):e70418. doi: 10.1002/cam4.70418. PMID: 39910913; PMCID: PMC11799588.
139. Seven M, Moraitis AM, **Hammer MJ**, Pearlman J, Reid AE, Sturgeon SR, Wenzel J. Healthy Behaviors Among Non-Hispanic Black and Hispanic People Affected by Cancer During the Posttreatment Survivorship: A Qualitative Study. *Cancer Nurs*. 2025 Mar-Apr 01;48(2):121-130. doi: 10.1097/NCC.0000000000001281. Epub 2023 Dec 13. PMID: 38100762.
140. Calvo-Schimmel A, **Hammer MJ**, Conley YP, Paul SM, Cooper BA, Shin J, Harris C, Morse L, Levine JD, Miaskowski C. Greater Symptom Burden and Poorer Quality of Life Outcomes Are Associated With The Co-Occurrence of Anxiety and Depression During Cancer Chemotherapy. *Semin Oncol Nurs*. 2025 Feb 13:151809. doi: 10.1016/j.soncn.2025.151809. Epub ahead of print. PMID: 39952817.
141. Chan RJ, Walker A, Vardy J, Chan A, Oppegaard K, Conley YP, Paul SM, Kober KM, Harris C, Shin J, Morse L, Roy R, Olshen A, Hammer MJ, Levine JD, Miaskowski C. Perturbations in the neuroactive ligand-receptor interaction and renin angiotensin system pathways are associated with cancer-related cognitive impairment. *Support Care Cancer*. 2025 Mar 6;33(4):254. doi: 10.1007/s00520-025-09317-9. PMID: 40047999; PMCID: PMC11885406.
142. Gray TF, Revette AC, Nava-Coulter B, Gould K, Close S, Sullivan LM, Flynn KE, Katsetos KA, Cutler C, Ho VT, **Hammer MJ**, El-Jawahri A, Tulskey JA. Caregiver experiences managing information prior to hematopoietic stem cell transplantation and after transition to home: a qualitative study. *Support Care Cancer*. 2025 Apr 22;33(5):402. doi: 10.1007/s00520-025-09445-2. PMID: 40258969.
143. Eche-Ugwu IJ, Dunnack Yackel H, Pozzar RA, **Hammer MJ**, Cooley ME. A Qualitative Descriptive Study to Assess Experiences and Care Needs of Patients With Cancer During the COVID-19 Pandemic. *Oncol Nurs Forum*. 2025 Apr 23;52(3):205-216. doi: 10.1188/25.ONF.205-216. PMID: 40293934.

Other peer-reviewed publications

1. **Hammer MJ**, Voss JG. Malglycemia and cancer: Introduction to a conceptual model. *Oncol Nurs Forum*. 2012; 39(3):E275-87. PMID: 22543399.
2. Nowlin S, **Hammer MJ**, Melkus GD. Diet, Inflammation, and Glycemic Control in Type 2 Diabetes: An Integrative Review of the Literature. *J Nutr Metab*. 2012; 2012:542698. PMID: 23316349; PMCID: PMC3536332.
3. Meghani S, Buck HG, Dickson VD, **Hammer MJ**, Rabelo-Silva E, Clark RA, Naylor MD. The Conceptualization and Measurement of Comorbidity: An Integrative Review of the

Interprofessional Literature. *Nurs Res Pract.* 2013;19:2782. PMID: 24187618; PMCID: PMC3800641.

4. Dickson VV, Nocella J, Yoon H-W, **Hammer MJ**, Melkus GD, Chyun D. Cardiovascular Disease Self-Care Interventions: An Integrative Review. *Nurs Res Pract.* 2013;40:7608. PMID: 24223305; PMCID: PMC3816062.
5. Wright F, **Hammer MJ**, Melkus GD. Associations between Multiple Chronic Conditions and Cancer-Related Fatigue: An Integrative Review. *Oncol Nurs Forum.* 2014; 41(4), 399-410. PMID: 24849813.
6. Vorderstrasse AA, **Hammer MJ**, Dungan, JR. Nursing implications of personalized and precision medicine. *Semin Oncol Nurs.* 2014; 30(2):130-6 (# 957772). PMID: 24794087.
7. Hershey DS, Leak AL, Olausson J, Davis E, Brady V, **Hammer MJ**. Hyperglycemic-inducing neoadjuvant agents used in treatment of solid tumors: a review of the literature. *Oncol Nurs Forum.* 2014; 41(6):E343-54. PMID: 25355030.
8. Olausson JM, **Hammer M**, Brady V. The impact of hyperglycemia on hematopoietic cell transplantation outcomes: a systematic review. *Oncol Nurs Forum.* 2014; 41(5): E302-12. PMID: 25158667.
9. **Hammer MJ**, Ercolano EA, Wright F, Dickson VV, Chyun D, Melkus GD. Self-Management for Patients with Cancer: An Integrative Review. *Cancer Nurs.* 2015; 38(2): E10-26. PMID: 25692736.
10. **Hammer MJ**. The Science and the Future of the Research Track at ONS Congress. *Oncol Nurs Forum.* 2015; 42(5): 440-1. PMID: 26540741.
11. **Hammer MJ**. Academic Pressure and Research Ethics at the Crossroads. *Oncol Nurs Forum.* 2016; 43(1):30-1. PMID: 26679442.
12. Storey S, Brady VJ, Leak Bryant A, Davis ED, **Hammer MJ**, Hershey DS, Olausson J, SeleyJ. Controlling Malglycemia in Patients Undergoing Treatment for Cancer. *Clin J Oncol Nurs.* 2016; 20(1):92-4. PMID:26800412.
13. **Hammer MJ**. Precision Medicine and the Changing Landscape of Research Ethics. *Oncol Nurs Forum.* 2016; 43(2):149-50. PMID: 26906126.
14. **Hammer MJ**. Consent and Assent in Pediatric Research: Whose Right Is It Anyway? *Oncol Nurs Forum* 43(3):281-3. PMID: 27105190.
15. **Hammer MJ**. Research Ethics Considerations Regarding the Moonshot Initiative. *Oncol Nurs Forum.* 2016; 43(4):428-31. PMID: 27314185.
16. **Hammer MJ**, Barton-Burke M, Eckardt P. Informed Consent: A Clinical Trials Perspective. *Oncol Nurs Forum.* 2016; 43(6):694-6. PMID: 27768140.
17. **Hammer MJ**. Miaskowski C. Authorship Ethics in the Era of Team Science. *Oncol Nurs Forum.* 2017; 44(6):655-7. PMID: 29052665.

18. **Hammer MJ.** Ethical Considerations in Conducting Pragmatic Trials in Oncology. *Oncol Nurs Forum.* 2017; 44(5):537-9. PMID: 28820523.
19. **Hammer MJ.** Ethical Considerations When Using Social Media for Research. *Oncol Nurs Forum.* 2017; 44(4):410-12. PMID: 28632249.
20. **Hammer MJ.** Research Ethics in Big Data. *Oncol Nurs Forum.* 2017; 44(3):293-5. PMID: 28635982.
21. **Hammer MJ.** Ethical Considerations for Data Collection Using Surveys. *Oncol Nurs Forum.* 2017; 44(2):157-9. PMID: 28222089.
22. **Hammer MJ.** Informed Consent: The Case of “-Omics” Literacy. *Oncol Nurs Forum.* 2017; 44(1):28-30. PMID: 28067031.
23. Eckardt P, **Hammer MJ**, Barton-Burke M, McCabe M, Kovner CT, Behrens L, Reens H, Collier BS. All nurses need to be research nurses. *J Clin Transl Sci.* 2017;1(5):269-70. PMID: 29430304.
24. Shelburne NM, **Hammer MJ.** Mitigating Cardiovascular Dysfunction Across the Cancer Continuum. *Oncol Nurs Forum.* 2018; 45(1), 15-17. PMID: 29251286.
25. Liebermann EJ, Van Devanter N, **Hammer MJ**, Fu MR. Social and cultural barriers to women’s participation in pap smear screening programs in low- and middle-income Latin American and Caribbean countries: an integrative review. *J Transcult Nurs.* 2018; 29(6):591-602. PMID: 29366369.
26. **Hammer MJ.** Beyond the helix: ethical, legal, and social implications in genomics. *Semin Oncol Nurs.* 2019; 35(1):93-106. PMID: 30683550.
27. **Hammer MJ**, Storey S, Hershey DS, Brady VJ, Davis E, Mandolfo N, Bryant AL, Olausson J. Hyperglycemia and cancer: a state-of-the-science review. *Oncol Nurs Forum.* 2019;46(4):459-472
28. Von Ah D, Brown CG, Brown SJ, Bryant AL, Davies M, Dodd M, Ferrell B, **Hammer M**, Knobf MT, Knoop TJ, LoBiondo-Wood G, Mayer DK, Miaskowski C, Mitchell SA, Song L, Watkins Bruner D, Wesmiller S, Cooley ME. Research Agenda of the Oncology Nursing Society: 2019-2022. *Oncol Nurs Forum* 2019;46(6): 654-669. PMID 31626621.
29. Fu MR, Kurnat-Thoma E, Starkweather A, Henderson WA, Cashion AK, Williams JK, Katapodi MC, Reuter-Rice K, Hickey KT, Barcelona de Mendoza V, Calzone K, Conley YP, Anderson CM, Lyon DE, Weaver MT, Shiao PK, Constantino RE, Wung SF, **Hammer MJ**, Voss JG, Coleman B. Precision health: A nursing perspective. *Int J Nurs Sci.* 2020; 7(1): 5-12. PMID: 32099853.
30. Kurnat-Thoma E, Fu MR, Henderson WA, Voss JG, **Hammer MJ**, Williams JK, Calzone K, Conley YP, Starkweather A, Weaver MT, Shiao SPK, Coleman B. Current status and future directions of U.S. genomic nursing health care policy. *Nurs Outlook.* 2021 May-Jun;69(3):471-488. doi: 10.1016/j.outlook.2020.12.006. Epub 2021 Jan 22. PMID: 33487404; PMCID: PMC8282091.

31. Harris CS, Dodd M, Kober KM, Dhruva AA, **Hammer MJ**, Conley YP, Miaskowski CA. Advances in Conceptual and Methodological Issues in Symptom Cluster Research: A 20-Year Perspective. *ANS Adv Nurs Sci*. 2022 Apr 29. doi: 10.1097/ANS.0000000000000423. Epub ahead of print. PMID: 35502915.
32. Harris CS, Kober KM, Conley YP, Dhruva AA, **Hammer MJ**, Miaskowski CA. Symptom clusters in patients receiving chemotherapy: A systematic review. *BMJ Support Palliat Care*. 2022 Mar;12(1):10-21. doi: 10.1136/bmjspcare-2021-003325. Epub 2021 Dec 17. PMID: 34921000; PMCID: PMC8857036.
33. **Hammer MJ** and Pozzar R. And (In)Justice for All: Disparities in Oncology Research. *Ethics in Biology, Engineering & Medicine – An International Journal* 2020; vol 11 (1), 95-107; DOI: 10.1615/EthicsBiologyEngMed.2021038584.
34. Gormley M, Ghazal L, Fu MR, Van Cleave JH, Knobf T, **Hammer M**. An Integrative Review on Factors Contributing to Fear of Cancer Recurrence Among Young Adult Breast Cancer Survivors. *Cancer Nurs*. 2022 Jan-Feb 01;45(1):E10-E26. doi: 10.1097/NCC.0000000000000858. PMID: 32657897.
35. Von Ah D, Cooley ME, Bailey DE, Hammer M, Tamez PA, Wickersham KE, Kennedy Sheldon L, Armstrong T, Saligan L. Oncology Nursing Symptom Science: Overview of the NINR, ONS, and NCI Symptom Science Colloquium. *Oncol Nurs Forum*. 2022 Mar 1;49(2):105-112. doi: 10.1188/22.ONF.105-112. PMID: 35191901.
36. Allen DH, Arthur EK, Blazey M, Brassil K, Cahill JE, Cooley ME, Fadol AP, **Hammer MJ**, Hartranft S, Murphy B, Nolan TS, Sun V, Whisenant M, Yoder LH. A scoping review on the nurse scientist role within healthcare systems. *Worldviews Evid Based Nurs*. 2023 Feb;20(1):47-55. doi: 10.1111/wvn.12624. Epub 2023 Jan 8. PMID: 36617530.
37. Cooley ME, Biedrzycki B, Brant JM, **Hammer MJ**, Lally RM, Tucker S, Ginex PK. Translation of Evidence-Based Interventions Into Oncology Care Settings: An Integrative Review. *Cancer Nurs*. 2023 Mar-Apr 01;46(2):E110-E121. doi: 10.1097/NCC.0000000000001109. Epub 2022 Dec 11. PMID: 36480276.
38. Harris CS, Pozzar RA, Conley Y, Eicher M, **Hammer MJ**, Kober KM, Miaskowski C, Colomer-Lahiguera S. Big Data in Oncology Nursing Research: State of the Science. *Semin Oncol Nurs*. 2023 Apr 19:151428. doi: 10.1016/j.soncn.2023.151428. Epub ahead of print. PMID: 37085404.
39. Asakitogum DA, Nutor JJ, Pozzar R, **Hammer M**, Miaskowski C. Systematic Review of the Literature on Multiple Co-occurring Symptoms in Patients Receiving Treatment for Gynecologic Cancers. *Semin Oncol Nurs*. 2024 Feb;40(1):151572. doi: 10.1016/j.soncn.2023.151572. Epub 2024 Jan 20. PMID: 38246840.
40. **Hammer MJ**, Conley YP, Henderson WA, Lukkahatai N, Miaskowski C, Starkweather A, Wesmiller SW. Breaking the code: Using the Precision Health Model to guide research and clinical care. *Nurs Outlook*. 2025 Apr 21;73(3):102396. doi: 10.1016/j.outlook.2025.102396. Epub ahead of print. PMID: 40262402.

41. Harris CS, Conley YP, Bai J, **Hammer MJ**. The Use of Biomarkers in Precision Health Symptom Science-Opportunities and Challenges. *Semin Oncol Nurs*. 2025 Apr 22:151886. doi: 10.1016/j.soncn.2025.151886. Epub ahead of print. PMID: 40268586.
42. Miaskowski C, Colomer-Lahiguera S, Conley YP, Dorsey S, **Hammer MJ**, Harris C, Ng MSN, Pelter M, Redeker N, Wesmiller S. State of the "Art" in Precision Health Symptom Science Research. *Semin Oncol Nurs*. 2025 May 30:151906. doi: 10.1016/j.soncn.2025.151906. Epub ahead of print. PMID: 40450439.
43. Colomer-Lahiguera S, Pozzar RA, Harris CS, Brant JM, Conley YP, Cooley ME, Eicher M, Hinds PS, Howell D, Mitchell SA, Ribi K, Rosenzweig MQ, Wesmiller SW, Miaskowski C, **Hammer MJ**. Advancing Global Cancer Symptom Science: Insights and Strategies From the Inaugural Cancer Symptom Science Expert Meeting. **Copyright** © 2025 Elsevier Ltd, Elsevier Inc, Wolters Kluwer Health, Inc., Canadian Association of Nursing Oncology and Oncology Nursing Society. All rights are reserved, including those for text and data mining, AI training, and similar technologies. *Footnote in the article declaring the joint publication: This paper was jointly developed by European Journal of Oncology Nursing, Seminars in Oncology Nursing, Cancer Nursing, Nursing Research, Canadian Oncology Nursing Journal, Oncology Nursing Forum and jointly published by Elsevier Limited, Elsevier Inc, Wolters Kluwer Health, Inc., Canadian Association of Nursing Oncology and Oncology Nursing Society. The articles are identical except for minor stylistic and spelling differences in keeping with each journal's style. Either citation can be used when citing this article.*
44. Miaskowski C, Colomer-Lahiguera S, Conley YP, Dorsey S, **Hammer MJ**, Harris C, Ng MSN, Pelter M, Redeker N, Wesmiller S. State of the "Art" in Precision Health Symptom Science Research. *Semin Oncol Nurs*. 2025 May 30:151906. doi: 10.1016/j.soncn.2025.151906. Epub ahead of print. PMID: 40450439.

Non-peer reviewed scientific or medical publications/materials in print or other media

Proceedings of meetings or other non-peer reviewed scholarships

1. **Hammer MJ**, Melkus GD, Knobf MT. Weighing in on BMI in Patients Undergoing Autologous Hematopoietic Cell Transplantation. Eastern Nursing Research Society Annual Scientific Sessions. 28th Annual Scientific Sessions Abstracts. *Nursing Res*. March/April 2016; 65(2). pE1-E117. doi: 10.1097/NNR.0000000000000152
2. **Hammer MJ**, Melkus GD. Symposium: Determinants of Health Related to Glycemic Challenges in Oncology Patients; Symposium: Challenges in Patients undergoing Autologous Hematopoietic Cell Transplantation. Council for the Advancement of Nursing Science Scientific Sessions Conference Brochure, 2016.
3. **Hammer MJ**, Melkus GD. Associations Between Glycemic Status, Cytokine Expression, Leukocyte Responses, and Infections in Autologous Hematopoietic Cell Transplantation Recipients. Council for the Advancement of Nursing Science Scientific Sessions Conference Brochure 2016.
4. **Hammer MJ**, Van Cleave J, Steinberg A. Glucose and Outcomes in HCT Recipients. Council for the Advancement of Nursing Science Scientific Sessions Conference Brochure, 2017.

5. **Hammer MJ**, Cartwright F, Miaskowski C. Exercise for Glycemic Control and Symptom Management Among Patients Undergoing Chemotherapy Treatment for Cancer. Eastern Nursing Research Society Conference, 2018. 30th Annual Scientific Sessions Abstracts. Nursing Res. 67(2), p.E1-E153. doi: 10.1097/NNR.0000000000000276.
6. **Hammer MJ**, Cartwright F, Miaskowski C. Exercise for Glycemic Control & Cancer Symptom Management. Council for the Advancement of Nursing Science State-of-the-Science Conference Brochure, 2018.

Reviews, chapters, monographs and editorials

1. Auerhahn C, Dorsen C, **Hammer MJ**, Meyer K, Taub LFM, Wollman MC. Section III.10: Success stories. In: Auerhahn C, Kennedy-Malone L. Integrating Gerontological Content into Advanced Practice Nursing Education. New York: Springer Publishing Co., 2010. pp. 147-73.
2. **Hammer MJ**. Chapter 40: Stress, Coping, and Adaptation. In: Craven R, Hirlne C, Jensen S, eds. Fundamentals of Nursing: Human Health and Function 7th ed. Philadelphia, PA: Lippincott Williams & Wilkins, 2012. pp.1308-36
3. **Hammer MJ**, Cartwright F, Budin W. Chapter 4: Theoretical Frameworks and Philosophies of Care. In: Payne JK. Facing the Future: Issues and Opportunities in Oncology Nursing. Pittsburgh, PA: Oncology Nursing Society, 2012. pp. 25-53.
4. Zitella LJ, Erb E, **Hammer MJ**, Peterson ME, Wilson BJ. Chapter 17: Prevention of Infections. In: Irwin M, Johnson LA. Putting Evidence into Practice: A Pocket Guide to Cancer Symptom Management. Pittsburgh, PA: Oncology Nursing Society, 2014. pp. 211-32.
5. **Hammer MJ**. Chapter 41: Stress, Coping, and Adaptation. In: Craven R, Hirlne C, Jensen S. Fundamentals of Nursing: Human Health and Function (8th ed). Philadelphia, PA: Lippincott Williams & Wilkins, 2015. pp. 1311-41.
6. **Hammer MJ**, Cartwright F, Budin W. Chapter 1: Theoretical Frameworks and Philosophies of Care. In: Payne JK. Facing the Future: Issues and Opportunities in Oncology Nursing (2nd ed) 2019. Oncol Nurs Soc. p. 1-32.
7. **Hammer MJ**, Barton-Burke M, Eckardt P. Chapter 17: Nutrition in Cancer Survivorship. In: Haylock PJ, Curtiss CP, eds. Cancer Survivorship. Pittsburgh, PA: Oncology Nursing Society, 2019. pp. 211-32.

Letters to the Editor

1. **Hammer MJ**. Response to “A Middle Range Theory for Generative Quality of Life”. ANS Adv Nurs Sci. 2007; 30(2): 92.

Professional educational materials or reports, in print or other media

1. “Precision Nursing: Paradigm Shift in Cancer Care”. MedScape video series used for public education, 2017, <https://www.medscape.com/mtv/oncology-nursing/theres-so-much-to-learn>

2. “Conducting Implementation Science” eCancer conferences video interview 2019, <https://ecancer.org/conference/1145-ons-44th-annual-congress/video/7810/conducting-implementation-science.php>
3. ASCO 2023, Oncology Data Advisor “Coaching Cancer Survivors Through Digital Health” <https://onco-data.com/coaching-cancer-survivors-through-digital-health-with-robin-lally-phd-and-marilyn-hammer-phd/>
4. “Precision Health Oncology: Focus on Post-Treatment Comorbid Diabetes” 2024, <https://www.youtube.com/watch?v=k2LaeiDHadQ>

Thesis

Hammer MJ. Associations between glycemic status and graft-versus-host disease, infection, and mortality among hematopoietic stem cell transplant recipients [dissertation]. Seattle (WA): University of Washington; 2008.

Narrative Report

I was recruited by DFCI in 2019 to serve as Director of the Phyllis F. Cantor Center for Research in Nursing and Patient Care Services. Prior to this appointment, I was the Director, Research and Evidence-Based Practice at Mount Sinai Hospital in New York. I assumed this position at Mount Sinai in 2016, having been recruited from a faculty appointment that began in 2009 at the New York University (NYU) Meyers College of Nursing.

My program of research is dedicated to precision health system science. This evolved from earlier research that focused on understanding associations between glycemic status and immune function in patients with cancer, including how these mechanisms impact risks for infection, mortality, and symptom experiences. These investigations included understanding factors that place patients at greatest risk for perturbations in glycemic status, termed malglycemia, that can increase the risk for adverse events and worse symptom experiences. My initial published research explored associations between malglycemia and infection and mortality risks in allogeneic hematopoietic cell transplantation (HCT) recipients (PMID: 19203725). Through an NIH funded K23 grant (K23NR012467), investigations included understanding contributors to malglycemic events and associated infections in autologous HCT recipients (PMID: 26792914) and their trajectories of blood glucose (PMID 30024438). A separate study examined the effects of pre-HCT glucose and outcomes (PMID: 31649802). In addition, an intervention study explored an exercise intervention for glycemic control and symptom management (PMID: 32852358). The associations between glycemic status and symptom experiences led to my current research focus in precision health symptom science. This work includes two studies in progress (i.e., *Comprehensive Outcomes For After Cancer Health (COACH): The Feasibility and Impact of an mHealth Augmented Coaching Program for Self-Management in Cancer Survivors*, funded by GSK through Pack Health, A Quest Diagnostics Company and *Identification of factors associated with a high symptom burden and microbiome biosignature in patients with metastatic or locally advanced unresectable colorectal cancer receiving chemotherapy*, funded by the Mittelman Foundation). A third study funded by the Cancer Nutrition Consortium, *Development and Usability Testing of Nutrition Algorithms for Cancer Health Outcomes (NACHO) and Quality of Life During Cancer Treatment*, is currently under IRB review. All of these studies are contributing to the understanding of symptom experiences and needs of patients undergoing or who have completed primary therapy for cancer. Both the study in patients with colorectal cancer and the COACH study are assessing for biomarkers that

underlie symptom experiences. Of note, the COACH study became of interest to the White House Cancer Moonshot committee which led to a meeting with the Senior Director of Policy for the Biden Cancer Initiative. This interest stemmed from the novel mHealth augmented coaching intervention that we are testing in the study. We anticipate this model will lead to large scale studies and importantly, improved patient care and outcomes including diverse and underserved populations.

Regarding major leadership positions, I've held various leadership roles at NYU (i.e., Meyers Nursing PhD Admissions Committee, Faculty Council, Bylaws Committee, MS/DNP Student Academic Progress Committee, College of Dentistry Review Board), Mount Sinai Hospital (i.e., Nursing Leadership Team, Nurse Executive Committee, Chair of the Nursing Research Council), and professional organizations (e.g., Chair of the Oncology Nursing Society annual Congress; Chair of the Oncology Nursing Foundation grant review committee; Secretary and Member-at-Large of the Executive Board of the Eastern Nursing Research Society; ASCO Planning Committee Member, Symptom and Survivorship Track). I also served on the NYU Langone Perlmutter Cancer Center CTSI Scientific Review Committee, Protocol Review and Monitoring Committee, and Mount Sinai Icahn School of Medicine Institutional Review Board (IRB). At DFCI, I serve on the Nursing and Patient Care Services Leadership Committee, Nurse Executive Committee, Faculty Inclusivity Committee, and Evidence and Innovations Committee. Since 2020, I've been serving on the DF/HCC IRB, Panel E and externally on the Editorial Board of the NCI PDQ Supportive and Palliative Care Summaries.

Since I began this position at DFCI, in my leadership role, I have been building new team science infrastructures within the Cantor Center and throughout the DFCI/Harvard Cancer Center at large. To strategically plan continued growth of the Cantor Center, I established and Chair an Advisory Board that includes internal and external members (i.e., CNO, oncologists, internal and external nurse scientists, nursing faculty member, Center donors, DFCI patient). The Advisory Board has helped to guide the development of our Strategic Plan that aligns with DFCI at large and to grow our grant portfolio and scholarship activities. Specifically, total grant funding grew from \$2 million in 2019 to its current state of over \$5 million. In the past academic year to date, research scientists at the Cantor Center published >80 peer-reviewed journal articles.

My teaching portfolio includes courses in genetics, advanced pathophysiology, and research design and methods. I continue to guest lecture and provide mentorship to post-doctoral fellows, doctoral students, and undergraduate and high school students through specialized programs (i.e., DF/HCC Young Empowered Scientists for Continued Research Engagement [YES for CURE], NYU Research Education in Cardiovascular Conditions [RECV] / cardio-oncology focus) to engage underserved students in research experiences. Notably, one former student completed a postdoctoral fellowship at Yale University prior to becoming faculty at NYU, while another received an intramural research training award from NIH, followed by a postdoctoral fellowship at Johns Hopkins University. At DFCI, I mentor and train HMS fellows and nurse scientists. In working with post-doctoral fellows, I provide mentorship and oversight of their overall research, scholarship, and training activities. At minimum weekly, I meet with the post-doctoral fellows, providing guidance on current and planned activities. Didactic sessions include manuscript development, components of conducting research studies, research methodologies, preparing and delivering presentations, and career trajectory planning. In addition to the post-doctoral fellows, I work closely with all Cantor Center research scientists.