

CURRICULUM VITAE

Catherine H. Cherwin, PhD, RN
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EDUCATION

Education

2015 PhD, Nursing, University of Wisconsin-Madison, Madison, WI

2007 MS, Nursing, University of Wisconsin-Madison, Madison, WI

2002 BS, Nursing, University of Wisconsin-Milwaukee, Milwaukee, WI

2001 BA, Psychology, University of Wisconsin-Madison, Madison, WI

PhD Dissertation: Gastrointestinal Symptom Clusters in Hematology Patients Receiving Chemotherapy

LICENSURES

2015-present RN, Iowa Board of Nursing #141349

2002-2015 RN, Wisconsin Board of Nursing

PROFESSIONAL EXPERIENCE

Academic Appointments

2017-present Assistant Professor, University of Iowa, College of Nursing, Iowa City, IA

2015-2017 Associate Faculty, University of Iowa, College of Nursing, Iowa City, IA

2013-2015 Project Manager, University of Wisconsin-Madison, Madison, WI

2012-2013 Teaching Assistant, University of Wisconsin-Madison, Madison, WI

2008-2009 Teaching Assistant, University of Wisconsin-Madison, Madison, WI

Clinical Experience

2002-2010 Staff Nurse, University of Wisconsin Hospital and Clinics Inpatient, Hematology, Oncology, BMT, Palliative Care, Madison, WI

HONORS/AWARDS

2024 Research Publication Award, Midwest Nursing Research Society, Symptom Science RIG. Submissions for this award have their published manuscript peer reviewed by a panel of RIG members.

- 2020 Teaching Excellence Award-Tenure Track, University of Iowa College of Nursing, Iowa City, IA. This award is presented by the University of Iowa College of Nursing to recognize excellence in teaching. Awardees submit materials demonstrating evidence of superior ability to support student learning and the winner is selected by a panel of peer reviewers.
- 2015 Emerging Chapter Leader, Oncology Nursing Society (ONS). Recipients of this award have been nominated by members of their chapter and demonstrate the ability to go above and beyond to support the development of their individual chapter as well as the goals of ONS to advance cancer nursing research, practice, and patient advocacy.
- 2015 Pain and Symptom Management RIG: Dissertation Award, Midwest Nursing Research Society (MNRS). This award is presented by the Pain and Symptom Management Research Interest Group (RIG) to recognize the dissertation of one of the RIG members. Nominees submit dissertation materials to be evaluated and scored by a panel of RIG members. Winners must demonstrate dissertation work that will address the symptom management needs of their population of interest and will build to a productive program of research.
- 2010 Best in Show: Evidence Based Practice, Poster Fair, University of Wisconsin-Madison. This award is presented to an individual poster presenter that demonstrates excellence in student research and development of a poster to disseminate that work. The winner must receive high marks from poster jurors and audience members.

SCHOLARSHIP

Publications [KEY: * = data-based paper; **bold** = my authorship; underline = student author; [†] = senior author]

Peer Reviewed Papers

1. *[†] **Cherwin, C.**, Hoang, J., Raygoza-Garay, J. A., Penningroth, A. & Mangalam, A. (in review). GI Microbiome and a Psychological Symptom Cluster in Women with Breast Cancer Compared to Healthy Controls. *Biologic Research for Nursing*
2. Fitzjerrells, R. L., Meza, L. A., Yadav, M., Olalde, H., Hoang, J., Paullus, M., **Cherwin, C.**, Cho, T. A., Brown, G., Ganesan, S. M., & Mangalam, A. K. (2025). Multiple sclerosis patients exhibit oral dysbiosis with decreased early colonizers and lower hypotaurine level. *NPJ Biofilms and Microbiomes*, 11(1), 199. <https://doi-org.proxy.lib.uiowa.edu/10.1038/s41522-025-00787-7>
3. * Gonzalez-Cabrera, A., Mackin, M. L., Gilbert, P., & **Cherwin, C.** (2026). Weight Stigma Is Highly Prevalent in a National Sample of Sexual Minority Women. *Nursing Research*, 75(1), 3-9. <https://doi-org.proxy.lib.uiowa.edu/10.1097/NNR.0000000000000867>
4. *Ganesan, S.; Yadav, M.; Ghimire, S.; Woods, S.; Olalde, H.; Hoang, J.; Paullus, M.; **Cherwin, C.**; Gill, C.; Cho, T.; & Mangalam, A. (2025). Relapsing-Remitting Multiple Sclerosis is Associated with a Dysbiotic Oral Microbiome. *Annals of Clinical and Translational Neurology*, 10.1002/acn3.70212. Advance online publication. <https://doi-org.proxy.lib.uiowa.edu/10.1002/acn3.70212>
5. *Ganesan, S., Yadav, M., Ghimire, S., Woods, S., Olalde, H., Hoang, J., Paullus, M., **Cherwin, C.**, Gill, C., Cho, T., Kamholz, J., Mangalam, A. K. (2025). Specific Microbial Ratio in the Gut Microbiome is Associated with Multiple Sclerosis. *Proceedings of the National Academy of*

Sciences of the United States of America, 122(10), e2413953122.
<https://doi.org/10.1073/pnas.2413953122>

6. *[†] **Cherwin, C.**, Hoang J., J., Roberts, E., & Mangalam, A (2025). Gut Microbiome and Symptom Burden in Obese and Non-Obese Women Receiving Chemotherapy for Breast Cancer. *Biologic Research for Nursing*. Advance online publication.
7. *Gilbertson-White, S., Albashayreh, A., Bandyopadhyay, A., Zeinali, N., & **Cherwin, C.** (2024). Special Section on Patient-Reported Outcomes and Informatics: Predictors of Concordance Between Patient-Reported and Provider-Documented Symptoms in the Context of Cancer and Multimorbidity. *Applied Clinical Informatics*, 15(5):1130-1139. doi: 10.1055/s-0044-1791820
8. *Hoang J., Gilbertson-White S., Cady N., Yadav, M., Shahi, S., Aguilar, L., Mangalam, A., & [†]**Cherwin, C.** (2023). Preliminary Analysis of Gut Microbiome and Gastrointestinal Symptom Burden in Breast Cancer Patients Receiving Chemotherapy Compared to Healthy Controls. *Biological Research for Nursing*. Epub ahead of print. doi:10.1177/10998004231205277
9. * Shrode, R. L., Knobbe, J. E., Cady, N., Yadav, M., Hoang, J., **Cherwin, C.**, Curry, M., Garje, R., Vikas, P., Sugg, S., Phadke, S., Filardo, E., & Mangalam, A. K. (2023). Breast cancer patients from the Midwest region of the United States have reduced levels of short-chain fatty acid-producing gut bacteria. *Scientific reports*, 13(1), 526. <https://doi.org/10.1038/s41598-023-27436-3>
10. *Chae, S., **Cherwin, C.**, Street, W. N., Moorhead, S., Brown G. & Gilbertson-White, S. (2022). Longitudinal subgrouping of cancer patients with similar symptom experiences: an integrated review. *ONF*, 49(4), E17–E30. DOI: 10.1188/22.ONF.E17-E30
11. *Yadav, M., Ali, Soham., Shrode, R. L., Shahi, S. K., Jensen, S. N., Hoang, J., Cassidy, S., Olalde, H., Guseva, N., Paullus, M., **Cherwin, C.**, Wang, K., Cho, T., Kamholz, J., & Mangalam, A. K. (2022). Multiple Sclerosis Patients have an Altered Gut Mycobiome and Increased Fungal to Bacterial Richness. *PloS one*, 17(4), e0264556. <https://doi.org/10.1371/journal.pone.0264556>
12. *Miller, M., Kwekkeboom, K., [†]**Cherwin, C.** (2021). The Role of Spirituality in Symptom Experiences among Adults with Cancer. *Supportive Care in Cancer*, 10.1007/s00520-021-06399-z. doi.org/10.1007/s00520-021-06399-z
13. *Chau, J., Yadav, M., Liu, B., Furqan, M., Dai, Q., Shahi, S., Gupta, A., Mercer, K. N., Eastman, E., Hejleh, T. A., Chan, C., Weiner, G. J., **Cherwin, C.**, Lee, S., Zhong, C., Mangalam, A., & Zhang, J. (2021). Prospective correlation between the patient microbiome with response to and development of immune-mediated adverse effects to immunotherapy in lung cancer. *BMC Cancer*, 21(1), 808. <https://doi.org/10.1186/s12885-021-08530-z>
14. *Saeidzadeh, S., Gilbertson-White, S., **Cherwin, C.**, Reisinger, H. S., Kendell, N., Pagedar, N. A., & Seaman, A. T. (2021). Post-treatment head and neck cancer survivors' approaches to self-management: A qualitative study. *European Journal of Oncology Nursing*, 52, 101944. Advance online publication. <https://doi.org/10.1016/j.ejon.2021.101944>
15. *Saeidzadeh, S., Perkhounkova, Y., Gilbertson-White, S., [†]**Cherwin, C.** (2021). The Influence of Multiple Chronic Conditions on Symptom Clusters in People with Solid Tumor Cancers, *Cancer Nursing*, <https://doi.org/10.1097/NCC.0000000000000915>

16. Tripp-Reimer, T., Gardner, S., Rakel, B., Herr, K., McCarthy, A.M., Hand, L., Gilbertson-White, S., **Cherwin, C.** (2020). Integrated Model of Multimorbidity and Symptom Science. *Nursing Outlook*, 68(4), 430-439. doi: <https://doi.org/10.1016/j.outlook.2020.03.003>
17. *Gilbertson-White, S., Shahnazi, A., & **Cherwin, C.** (2019). Are perceived stress and cytokine genotypes clinically feasible as predictors of psychoneuroimmune symptoms in advanced cancer? *The Permanente Journal*, 23. doi: 10.7812/TPP/18-120. Epub 2019 Jul 8.
18. **Cherwin, C.**, Nakad, L., & AlBashayreh, A. (2019). Systematic Review of Nonpharmacologic Approaches for the Management of Gastrointestinal Symptoms. *Oncology Nursing Forum*, 46(1):E1-E21. doi: 10.1188/19.ONF.E1-E21.
19. Lor, M., Oyesanya, T., Chen, C., **Cherwin, C.**, Moon, C. (2018). Postdoctoral Opportunities for Nursing PhD Graduates: A Resource Guide. *Western Journal of Nursing Research*. Epub (May), 1-18. doi: 10.1177/0193945918775691. https://api.elsevier.com/content/abstract/scopus_id/85047430391.
20. *[†] **Cherwin, C. H.**, & Perkhounkova, E. (2017). Distress-Based Gastrointestinal Symptom Clusters and Impact on Symptom Interference and Quality of Life in Patients with a Hematologic Malignancy Receiving Chemotherapy. *Journal of Pain and Symptom Management*, 53(4), 751-758. doi: 10.1016/j.jpainsymman.2016.11.005. <https://www.jpasmjournal.com/>.
21. *[†] **Cherwin, C.**, & Kwekkeboom, K. (2016). Prevalence, Duration, Severity, and Distress of Chemotherapy-Related Gastrointestinal Symptoms in Patients With a Hematologic Malignancy. *Oncology Nursing Forum*, 43(5), 561–571. doi: 10.1188/16.ONF.43-05AP. <https://onf.ons.org/>.
22. *Kwekkeboom, K. L., Abbott-Anderson, K., **Cherwin, C.**, Roiland, R., Serlin, R., & Ward, S. (2012). Pilot randomized controlled trial of a patient-controlled cognitive-behavioral intervention for the pain, fatigue, sleep disturbance symptom cluster in cancer. *Journal of Pain and Symptom Management*, 44(6), 810-822. PMID: 22771125, PMCID: PMC3484234. doi: 10.1016/j.jpainsymman.2011.12.281. <https://www.jpasmjournal.com/>.
23. **Cherwin, C.** (2012). Gastrointestinal symptoms in patients with cancer: A synthesis of the literature. *Oncology Nursing Forum*, 39(2), 157-165. PMID: 22374489, PMCID: PMC3365541. doi: 10.1188/12.ONF.157-165. <https://onf.ons.org/>.
24. Kwekkeboom, K. L., **Cherwin, C.**, Jun, L. W., & Britt, W. (2010). Mind-body treatments for the pain-fatigue-sleep disturbance symptom cluster in persons with cancer. *Journal of Pain and Symptom Management*, 39(1), 126-138. PMID: 19900778, PMCID: PMC3084527. doi: 10.1016/j.jpainsymman.2009.05.022. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3084527/>.

Evidence-Based Guideline

Cherwin, C., Ward-Boahen, D. M., Whiteside, S., Lewis, C., & Selm-Orr, D. (2014). Putting evidence into practice (PEP) topics: Chemotherapy-induced nausea and vomiting., *Putting Evidence Into Practice: A Pocket Guide to Cancer Symptom Management*. Pittsburgh, PA: Oncology Nursing Society. <https://www.ons.org/practice-resources/pep/chemotherapy-induced-nausea-and-vomiting>.

Scientific and Educational Research Grants

Intramural Research Grants

- 2023-2024 Relationship Between Alterations in the GI Microbiome and GI Inflammation on Symptom Burden in Women with Breast Cancer Receiving Chemotherapy. **Co-PI: Cherwin**, Singh. Funded by the University of Iowa College of Nursing and Mayo Clinics, Phoenix AZ, \$50,000
- 2020 Pilot Testing Mediating Influence of Gastrointestinal Microbiome on the Relationship Between Chemotherapy-Induced GI Inflammation and GI Symptom Severity in Women with Breast Cancer. **PI: Cherwin**, Funded by the University of Iowa Investment in Strategic Priorities, \$10,000
- 2020 No title, extension of data collection for Gastrointestinal microbiome, obesity, and chemotherapy: Influences on symptom burden in women with breast cancer receiving chemotherapy. **Pilot PI: Cherwin**, Funded by the University of Iowa College of Nursing Lila Johnson Fund, \$5,000
- 2017 Gastrointestinal (GI) Symptom Clusters in Solid Tumor Chemotherapy Patients. **PI: Cherwin**, Funded by the University of Iowa Hospital and Clinics Holden Comprehensive Cancer Center, \$20,000

Extramural Research Grants

- 2018-2020 Gastrointestinal microbiome, obesity, and chemotherapy: Influences on symptom burden in women with breast cancer receiving chemotherapy, **Pilot PI: Cherwin**, Funded by the NIH/NINR, 1P20NR018081-01, \$165,437
- 2016 - 2017 Gastrointestinal (GI) Symptom Clusters in Solid Tumor Chemotherapy Patients, **PI: Cherwin**, Funded by the Midwest Nursing Research Society, \$10,000

Training Grants**Intramural Training Grants**

- 2013 Gastrointestinal Symptom Clusters in Hematology Patients Receiving Chemotherapy. **PI: Cherwin**, Funded by the University of Wisconsin-Madison School of Nursing Dissertation Grant, \$3,800

Extramural Training Grants

- 2013 - 2014 Gastrointestinal Symptom Clusters in Hematology Patients Receiving Chemotherapy, **PI: Cherwin**, Funded by the NIH/NINR, 5F31NR014062-02, \$26,232
- 2011 - 2015 Gastrointestinal Symptom Representation in Cancer Symptom Clusters, **PI: Cherwin**, Funded by the American Cancer Society Dissertation Support Grant, DSCN-11-278-01-SCN, \$60,000
- 2010 - 2011 Patient Centered Interventions, **Predoctoral Trainee: Cherwin**, Funded by the NIH/NINR, T32 NR007102, \$20,000

Research and Clinical Presentations [KEY: * = data based; bold = my authorship; underline = student author; ' = senior author]

National

1. *2025, [†] **Cherwin, C.**, Hoang, J., Edwards, E., Mangalam, A. Gut Microbiome and Symptom Burden in Obese and Non-Obese Women Receiving Chemotherapy for Breast Cancer. Oncology Nursing Society Annual Congress, Denver CO. Peer reviewed poster presentation
2. *2021, Vikas, P., Cady, N., Knobbe, J., Hoang, J., Yadav, M., Curry, M., **Cherwin, C.**, Sugg, S., Phadke, S., Filardo, E., Mangalam, A. Breast cancer patients have reduced levels of short chain fatty acid producing beneficial gut bacteria. American Association for Cancer Research, virtual conference. Peer reviewed poster presentation
3. * 2020, [†] **Cherwin, C.**, Hoang, J., Cady, N., Mangalam, A. Gut Microbiome and Symptom Burden in Women Receiving Taxane-Based Chemotherapy for Breast Cancer. Oncology Nursing Society *Annual Congress/Bridge, virtual Conference. Peer reviewed podium presentation*
4. * 2019, **Cherwin, C.** The Gastrointestinal Microbiome of Cancer Patients Compared to Healthy Controls. North American Microbiome Congress, Kisaco, Washington, DC. Invited poster presentation.
5. * 2018, **Cherwin, C.** Gut Check: The Gastrointestinal Microbiome of solid Tumor Patients Compared to Health Controls. A feasibility Study of a Stool Collection Protocol. Oncology Nursing Society Annual Congress, ONS, Washington, District of Columbia. Peer reviewed poster presentation.
6. * 2015, **Cherwin, C.**, & Kwekkeboom, K. Symptom Clusters over a Singer Cycle of Chemotherapy: Can You Spare Some Change? Oncology Nursing Society 40th Annual Congress. Oncology Nursing Society, Orlando, FL. Peer reviewed poster presentation.
7. 2014, Mussatti, M., [†] **Cherwin, C.** Safety Concerns and Falls Prevention in Cancer Patients Reporting Chemotherapy-Induces Peripheral Neuropathy. Oncology Nursing Society 39th Annual Congress, Oncology Nursing Society, Anaheim, CA. Peer reviewed poster presentation.
8. 2012, **Cherwin, C.** Chen, C.X., Kwekkeboom, K., Ward, S., Bilicki, C., McDonald, J. Academic-Clinical Collaboration on Randomized Controlled Trial of Cancer Nurse Navigation. Connections: Advancing Care Through Science, Oncology Nursing Society, Phoenix, AZ. Poster
9. * 2011, **Cherwin, C.**, Abbott-Anderson, K., Roiland, R., Kwekkeboom, K. A Sentinel Symptom in Patients Experiencing the Pain, Fatigue, Sleep Disturbance Symptom Cluster. Oncology Nursing Society 11th Annual National Conference of Cancer Nursing Research, Oncology Nursing Society, Los Angeles, CA. Peer reviewed podium presentation.
10. 2010, **Cherwin, C.**, & Kwekkeboom, K. Representation of Gastrointestinal Symptoms on Cancer Symptom Inventories. Oncology Nursing Society Congress 35th Annual Congress, Oncology Nursing Society, San Diego, CA. Peer reviewed poster presentation.
11. * 2010, Kwekkeboom, K., **Cherwin, C.** Pain, Fatigue, and Sleep Disturbance in Cancer Survivors and their Relationship with Use of Mind-Body Therapies. 35th Annual Oncology Nursing Society Congress, Oncology Nursing Society, San Diego, CA. Peer reviewed poster presentation.

State/Regional

1. *2025, [†] **Cherwin, C.**, Hoang, J., Edwards, E., Mangalam, A. Gut Microbiome and Symptom Burden in Obese and Non-Obese Women Receiving Chemotherapy for Breast Cancer. Midwest Nursing Research Society Annual Conference, Indianapolis, IN. Peer reviewed poster presentation
2. * 2022, Hoang, J., Shrode, R., Cady, N., Yadav, M., [†] **Cherwin, C.**, & Mangalam, A. Is there GI Microbiota involvement with the Psychological Symptom Cluster of Patients with Breast Cancer Receiving Chemotherapy? Midwest Nursing Research Society Annual Conference, Schaumburg, IL. Peer reviewed podium presentation.
3. * 2022, Tews, E., [†] **Cherwin, C.**, Myers, M. Combatting Anxiety– Adaptive Movement for College of Nursing Students. Midwest Nursing Research Society Annual Conference, Schaumburg, IL.

Peer reviewed poster presentation

4. * 2020 , **Cherwin, C.**, Hoang, J., Cady, N., Mangalam, A. GI Microbiome and Symptom Burden in Women Receiving Taxane-Based Chemotherapy for Breast Cancer. Midwest Nursing Research Society Annual Conference, virtual Conference, Peer reviewed podium presentation
5. * 2019, **Cherwin, C.** Multiple Chronic Conditions and Symptom Clusters in People with Solid Tumors. Midwest Research Society Annual Conference, Kansas City, MO. Peer reviewed podium presentation.
6. 2018, **Cherwin, C.** Moving from your Doctoral Degree to the “Real World”: Nuts and Bolts of Degree Completion, Midwest Nursing Research Society Annual Conference, Cleveland, OH. Invited speaker.
7. * 2016, **Cherwin, C.H.**, & Kwekkeboom, K.L. Distress-Based Symptom Clusters and their Impact on Quality of Life. Midwest Nursing Research Society 40th Annual Conference, Milwaukee, WI. Peer reviewed podium presentation
8. *2015, **Cherwin, C.**, & Kwekkeboom, K. Gastrointestinal Symptom Clusters in Hematology Patients Receiving Chemotherapy. Midwest Nursing Research Society 39th Annual Conference, Indianapolis, IN. Peer reviewed poster presentation
9. *¹2014, Dines, S. **Cherwin, C.** Self-Care Interventions for the Management of Mouth Sores in Hematology Patients Receiving Chemotherapy. Midwest Nursing Research Society 38th Annual Conference, St. Louis, MO. Peer reviewed poster presentation
10. *2014, **Cherwin, C.** GI Symptom Measurement: Are We Just Full of Hot Air? Midwest Nursing Research Society 38th Annual Conference, St. Louis, MO. Peer reviewed podium presentation
11. *2013, **Cherwin, C.** & Kwekkeboom, K. Content Validity of the GI Module of the Modified Memorial Symptom Assessment Scale (MSAS) in Hematologic Cancer Patients Receiving Chemotherapy. Midwest Nursing Research Society 37th Annual Conference, Chicago, IL. Peer reviewed poster presentation
12. *2012, Chen, C.X., **Cherwin, C.**, Roiland, R., Kwekkeboom, Application of Two Approaches to Visualize Cancer Symptom Clusters. Midwest Nursing Research Society 36th Annual Conference, Deerborn, MI. Peer reviewed poster presentation.
13. *2012, Kwekkeboom, K., Abbott-Anderson, K., **Cherwin, C.** Roiland, R., Serlin, R., Ward, S. A Cognitive-behavioral Intervention to Manage the Pain, Fatigue, Sleep Disturbance Symptom Cluster in Cancer. Midwest Nursing Research Society 36th Annual Conference, Deerborn, MI. Peer reviewed poster presentation.

Local

1. 2019, **Cherwin, C.** The GI Microbiome and Symptom Burden in People with Cancer. Scofield Advanced Oncology Lecture, Holden Comprehensive Cancer Center, Iowa City, IA. Invited speaker.

SERVICE

NIH Grant Review

2025, National Institutes of Health, National Center for Complementary & Integrative Health (NCCIH)

2022, National Institutes of Health, National Cancer Institute (NCI)

Editorial Board and Peer Review

Editor of journal or editorial board memberships

2021-present, *Biological Research for Nursing*, Editorial Board Member

2019-2022, *Oncology Nursing Forum*, official journal of the Oncology Nursing Society, Editorial Board Member

Peer review of scholarly products

2025-present, *Gut*, Manuscript Reviewer

2025-present, *Springer Nature*, Manuscript Reviewer

2025-present, *British Journal of Cancer*, Manuscript Reviewer

2021-present, *Cancer Nursing*, Manuscript Reviewer

2020-present, *Western Journal of Nursing Research*, Manuscript Reviewer

2020-present, *Pain Medicine*, Manuscript Reviewer

2017-present, *Journal of Pain*, Manuscript Reviewer

2017-present, *Journal of Pain and Symptom Management*, Manuscript Reviewer

2017-present, *Biological Research for Nursing*, Manuscript Reviewer

2016-present, *Supportive Care in Cancer*, Manuscript Reviewer

2015, Oncology Nursing Society, Abstract Reviewer, 40th annual Congress, Orlando, FL

2011-present, *Oncology Nursing Forum*, Manuscript Reviewer

Review of nominations for awards, honors or scholarships

2025 Midwest Nursing Research Society, Grant Reviewer and RIIG Awards Reviewer, 49th Annual Research Conference, Indianapolis, IN

2018 Midwest Nursing Research Society, Awards Reviewer, 42nd Annual Research Conference, Cleveland, OH

2015 Midwest Nursing Research Society, Awards Reviewer, 40th Annual Research Conference, Indianapolis, IN

Professional Service

Society/Association Membership, Participation, Leadership

Midwest Nursing Research Society

2008-present, member

2021-present, Marketing Workgroup, Member, volunteer

2021-present, Engagement Committee, Member, volunteer

2018-2020, Symptom Science Research Interest Group, Chair, elected

2013-2021, Putting Evidence into Practice: Chemotherapy Induced Nausea and Vomiting, Article Reviewer and Guideline Author, volunteer

Oncology Nursing Society

2008-present, member

2013-2017, Wisconsin Capitol Chapter, Chapter President, elected

University Service

Committees and Task Forces

2020-present, Rural Cancer Collaboratory, Member, volunteer

2015-2022, University of Iowa Hospital and Clinics, Cancer Symptom Management Subcommittee, Member, volunteer

Standing Committees

2020-2022, Faculty Senate, Member, elected

Other University Activities

2022-2024, Iowa Institute of Public Health Research and Policy, Healthy LifeStars: Improving Health Outcomes Through Preventing Childhood Obesity Conference, planning committee, volunteer

2019-2021, Critical MASS, Faculty Mentor

Collegiate Service

Standing Committees

2022-present, College of Nursing Scholarship Committee, Member, volunteer

2019-present, Faculty Council, elected

2016-2020, BSN Admissions Committee, Chair, appointed

2015-present, BSN Admissions Committee, Member, volunteer

Other CON activities

2020-present, Young Scientist Program, Co-Director, appointed

2018-present, BSN Honors Program, Application Reviewer, volunteer

TEACHING

Course Instruction

2025 Spring NURS:3438 Nursing Pharmacological Interventions II. Team Teacher. Undergraduate (n=84).
NURS: 3460 Professional Role, Research. Primary Instructor. Undergraduate (n=84)

2024 Fall NURS:3438 Nursing Pharmacological Interventions II. Primary Instructor.

	Undergraduate (n=82). NURS: 3460 Professional Role, Research. Team Teacher. Undergraduate (n=82)
2024 Spring	NURS:3438 Nursing Pharmacological Interventions II. Team Teacher. Undergraduate (n=80). NURS: 3460 Professional Role, Research. Team Teacher. Undergraduate (n=80) IBA: 3992 Research in Biomedical Science. Primary Instructor Undergraduate (n=1)
2023 Fall	NURS:3438 Nursing Pharmacological Interventions II. Team Teacher. Undergraduate (n=80). NURS: 3460 Professional Role, Research. Team Teacher. Undergraduate (n=80) IBA: 3992 Research in Biomedical Science. Primary Instructor Undergraduate (n=1)
2023 Spring	NURS:3438 Nursing Pharmacological Interventions II. Primary Instructor. Undergraduate (n=80). NURS: 3460 Professional Role, Research. Team Teacher. Undergraduate (n=80) IBA: 3992 Research in Biomedical Science. Primary Instructor Undergraduate (n=1)
2022 Fall	NURS:3438 Nursing Pharmacological Interventions II. Team Teacher. Undergraduate (n=80). NURS: 3460 Professional Role, Research. Team Teacher. Undergraduate (n=80) NURS:3740 End of Life Care for Adults & Families. Primary Instructor. Undergraduate (n=30). IBA: 3992 Research in Biomedical Science. Primary Instructor Undergraduate (n=1)
2022 Spring	NURS:3438 Nursing Pharmacological Interventions II. Primary Instructor. Undergraduate (n=80). NURS: 3460 Professional Role, Research. Team Teacher. Undergraduate (n=80) IBA: 3992 Research in Biomedical Science. Primary Instructor Undergraduate (n=1)
2021 Fall	NURS:3438 Nursing Pharmacological Interventions II. Team Teacher. Undergraduate (n=77). NURS:3740 End of Life Care for Adults & Families. Team Teacher. Undergraduate (n=30). NURS: 3460 Professional Role, Research. Team Teacher. Undergraduate (n=77) IBA: 3992 Research in Biomedical Science. Primary Instructor Undergraduate (n=1) URES:3994 Undergraduate Research/Creative Projects. Primary Instructor. Undergraduate (n=3).

- URES:3992 Undergraduate Research/Creative Projects. Primary Instructor.
Undergraduate (n=1).
- 2021 Spring NURS:3438 Nursing Pharmacological Interventions II. Team Teacher.
Undergraduate (n=80).
NURS:3740 End of Life Care for Adults & Families. Primary Instructor.
Undergraduate (n=30).
NURS: 3460 Professional Role, Research. Team Teacher.
Undergraduate (80)
NURS 7803 Research Practicum I. Primary Instructor.
Graduate (n=1).
- 2020 Fall NURS:3438 Nursing Pharmacological Interventions II. Team Teacher.
Undergraduate (n=72).
NURS:3740 End of Life Care for Adults & Families. Primary Instructor.
Undergraduate (n=30).
NURS:7803 Research Practicum I. Primary Instructor. Graduate (n=1).
- 2019 Spring NURS:3438 Nursing Pharmacological Interventions II. Team Teacher.
Undergraduate (n=63).
NURS:3740 End of Life Care for Adults & Families. Primary Instructor.
Undergraduate (n=30).
NURS:5800 Independent Study. Primary Instructor. Graduate (n=1).
URES:3992 Undergraduate Research/Creative Projects. Primary Instructor.
Undergraduate (n=1).
- 2018 Fall NURS:3438 Nursing Pharmacological Interventions II. Team Teacher.
Undergraduate (n=72).
- 2018 Summer NURS:3740 End of Life Care for Adults & Families. Team Teacher (n=30).
- 2018 Spring NURS:3438 Nursing Pharmacological Interventions II. Primary Instructor (n=70).
- 2017 Fall NURS:3438 Nursing Pharmacological Interventions II. Primary Instructor (n=67).
- 2017 Spring NURS:3438 Nursing Pharmacological Interventions II. Primary Instructor (n=72).
NURS:4099 Honors Independent Study. Primary Instructor (n=1).
- 2016 Fall NURS:3438 Nursing Pharmacological Interventions II. Primary Instructor (n=73).
- 2016 Spring NURS:3438 Nursing Pharmacological Interventions II. Team Teacher (n=70).

Mentoring and Advisement

Mentoring

Faculty Mentorship

2025, April Sun, Teaching Mentor for NURS 3640, Professional Role II

2023-2024, Mackenzie Kane, Teaching Mentor for NURS:3438, Nursing Pharmacological

Interventions II

2021-2022, Young-Eun Cho, Teaching Mentor for NURS:3740, End of Life

2018-2020, Chooza Moon, Teaching Mentor for NURS:3438, Nursing Pharmacological Interventions II

Undergraduate Mentorship

2020-2023, Student: Asel Nasr, Iowa Biosciences Academy (IBA), Faculty mentor.

2021-2023, Student: Audrey Penningroth, Csomay Center Summer Scholar, Iowa Center for Research by Undergraduates, Faculty mentor.

2022, Student: Estefania De La Cruz, Holden Comprehensive Cancer Center Summer Undergraduate Research Program, Faculty Mentor

2023, Laura Hovenga, Holden Comprehensive Cancer Center Summer Undergraduate Research Program, Faculty Mentor

2023, Tarynn Rodman, Csomay Center Summer Scholar, Faculty Mentor

Advisement

Student Advisement

2021-2022, Research in Biomedical Science Mentor, 1 undergraduate student

2016-2018, BSN Early Decision Mentor, 26 undergraduate students

Independent Study

2023-2024, student: Sedona Swanson

2020-2022, student: Emma Tews, Young Scientist Program Mentor, research independent study mentor

BSN Honors Project

2021-2022, student: Mollie Chez, Project title: Nutritional Interventions for Cancer-Related Fatigue: Patient Education. Complete. Faculty Mentor

2020-2021, student: Katherine Pauley, Project title: Exploring the Efficacy of Inhalation Aromatherapy in the Oncology Population: A Narrative Review. Complete. Faculty Mentor

2020-2021, student: Kaitlyn Pfaffle. Project title: Microbiome Interventions for Gastrointestinal (GI) Symptoms in Adults Receiving Chemotherapy for Cancer. Complete. Faculty Mentor

2019-2020, student: Alana Friend, Project title: Burnout Among Oncology Nurses. Complete. Faculty Mentor

2018-2019, student: Lynn Nguyen, Project title: Interventions for Chemotherapy Brain. Complete. Faculty Mentor

2017-2018, student: Katie Sinwelski, Project title: Evidence-Based interventions for

Chemotherapy-Induced Dysgeusia. Complete. Faculty Mentor

2017-2018, student: Madison Smith, Project title: Scalp Cooling for People Receiving Chemotherapy. Complete. Faculty Mentor

2016-2017, student: Wei Wang, Project title: Mouth Care for Adults with Cancer. Complete. Faculty Mentor

PhD Dissertation Committee

2019-present, student: Jemmie Hoang, Dissertation: Influence of Cumulative Adverse Life Events on Gastrointestinal (GI) Dysbiosis and Symptom Severity in Patients with Cancer. In progress. Co-chair

2020-2024, student: Mary Beth Davis, Dissertation: The Experience of Caregivers of Children with Intestinal Failure Managing a Central Venous Catheter in the Home. Complete. Committee member.

2018-2024, student: Alejandra Gonzalez, Dissertation: Stigma and Health in Sexual and Gender Minority Populations. Complete. Committee member

2019-2020, student: Sena Chae, Dissertation: Comparison of Groups with Different Patterns of Symptom Cluster Intensity Across the Cancer Treatment Trajectory. Complete. Committee member

2019-2020, student: Kiran Sapkota, Dissertation: Sapkota, Risk Factors for Oral Cancer in Nepalese Population: A Hospital-Based Case-Control Study. Complete. Committee member

2019-2020, student: Tannaz Saeidzadeh, Dissertation: Exploring Self-Management Activities in Long-Term Post-Treatment Cancer Survivors. Complete. Committee member