

## CURRICULUM VITAE

**Catherine H. Cherwin, PhD, RN**  
Assistant Professor

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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-present 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  
2015 Project Manager, University of Wisconsin-Madison, Madison, WI  
2012-2013 Teaching Assistant, University of Wisconsin-Madison, Madison, WI  
2008 Teaching Assistant, University of Wisconsin-Madison, Madison, WI

#### Clinical Experience

2008 Staff Nurse, University of Wisconsin Hospital and Clinics Inpatient, Hematology, Oncology, BMT, Palliative Care, Madison, WI

### HONORS/AWARDS

2020 Teaching Excellence Award-Tenure Track, University of Iowa College of Nursing, Iowa City, IA  
2015 Emerging Chapter Leader, Oncology Nursing Society (ONS)  
2015 Pain and Symptom Management RIG: Dissertation Award, Midwest Nursing Research Society (MNRS)  
2010 Best in Show: Evidence Based Practice, Poster Fair, University of Wisconsin-Madison,

### SCHOLARSHIP

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

*Peer Reviewed Papers*

1. \*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. (2021, In review). Multiple Sclerosis Patients have an Altered Gut Mycobiome and Increased Fungal to Bacterial Richness. *bioRxiv*. doi.org/10.1101/2021.08.30.458212
2. \*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
3. \*Chau, J. J., Yadav, M., Liu, B., Furqan, M., Dai, Q., Shahi, S., Gupta, A., Mercer, K. N., Eastman, E., Abu Hejleh, T., Chan, C., Weiner, G., **Cherwin, C.**, Lee, S. T. M., 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. *Journal of Clinical Oncology*, 39 (15), e21024-e21024. doi: 10.1200/JCO.2021.39.15\_suppl.e21024
4. \*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>
5. \*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>
6. \*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>
7. 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>
8. \*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 .
9. †**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.
10. 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](https://api.elsevier.com/content/abstract/scopus_id/85047430391).

11. \*<sup>†</sup> **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.jpmsjournal.com/>.
12. \*<sup>†</sup> **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/>.
13. \*Kwekkeboom, K. L., Abbott-Anderson, K., **Cherwin, C. H.**, 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.jpmsjournal.com/>.
14. **Cherwin, C. H.** (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/>.
15. Kwekkeboom, K. L., **Cherwin, C. H.**, 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. H.**, 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>.

### Grants and Contracts

#### Extramural Research

##### Federal

2018-2020      Gastrointestinal microbiome, obesity, and chemotherapy: Influences on symptom burden in women with breast cancer receiving chemotherapy, **PI: Cherwin**, NIH/NINR, 1P20NR018081-01, \$165,437

##### Private Non Profit

2017 - 2018      Gastrointestinal (GI) Symptom Clusters in Solid Tumor Chemotherapy Patients, **PI: Cherwin**, Holden Comprehensive Cancer Center, \$20,000

2016 - 2017      Gastrointestinal (GI) Symptom Clusters in Solid Tumor Chemotherapy Patients, **PI: Cherwin**, Midwest Nursing Research Society, \$10,000

2013 - 2014      Gastrointestinal Symptom Clusters in Hematology Patients Receiving Chemotherapy, **PI: Cherwin**, NIH/NINR, 5F31NR014062-02, \$26,232

2011 - 2015      Gastrointestinal Symptom Representation in Cancer Symptom Clusters, **PI: Cherwin**, American Cancer Society, DSCN-11-278-01-SCN, \$60,000

2010 - 2011      Patient Centered Interventions, **Predoctoral Trainee: Cherwin**, NIH/NINR, 5

T32 NR007102, \$20,000

**Intramural Research**

- 2020 Investment in Strategic Priorities, University of Iowa, \$10,000  
 2020 Lila Johnson Fund, University of Iowa College of Nursing, \$5,000  
 2013 Dissertation Grant, **PI: Cherwin**, University of Wisconsin-Madison, \$3,800

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

- 2021 \*Vikas, P., Cady, N., Knobbe, J., Hoang, J., Yadav, M., Curry, M., **Cherwin, C.**, Sugg, S., Phadke, S., Filardo, E., Mangalam, A. (2021) Breast cancer patients have reduced levels of short chain fatty acid producing beneficial gut bacteria. American Association for Cancer Research, virtual conference, poster presentation
- 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. Podium presentation
- 2019 \***† Cherwin, C.** The Gastrointestinal Microbiome of Cancer Patients Compared to Healthy Controls. Invited poster presentation. North American Microbiome Congress, Kisaco, Washington, DC.
- 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. Poster
- 2015 \***Cherwin, C.**, & Kwekkeboom, K. Symptom Clusters over a Single Cycle of Chemotherapy: Can You Spare Some Change? Oncology Nursing Society 40<sup>th</sup> Annual Congress. Oncology Nursing Society, Orlando, FL. Poster.
- 2014 Mussatti, M., **† Cherwin, C.** Safety Concerns and Falls Prevention in Cancer Patients Reporting Chemotherapy-Induces Peripheral Neuropathy. Oncology Nursing Society 39<sup>th</sup> Annual Congress, Oncology Nursing Society, Anaheim, CA. Poster
- 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
- 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 11<sup>th</sup> Annual National Conference of Cancer Nursing Research, Oncology Nursing Society, Los Angeles, CA. Oral
- 2010 **Cherwin, C.**, & Kwekkeboom, K. Representation of Gastrointestinal Symptoms on Cancer Symptom Inventories. Oncology Nursing Society Congress 35<sup>th</sup> Annual Congress, Oncology Nursing Society, San Diego, CA. Poster
- 2010 Kwekkeboom, K., **Cherwin, C.** Pain, Fatigue, and Sleep Disturbance in Cancer Survivors and their Relationship with Use of Mind-Body Therapies. 35<sup>th</sup> Annual Oncology Nursing Society Congress, Oncology Nursing Society, San Diego, CA. Poster

Regional

- 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
- 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
- 2019 \***Cherwin, C.** Multiple Chronic Conditions and Symptom Clusters in People with Solid Tumors. Midwest Research Society Annual Conference, Kansas City, MO. Podium
- 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. Guest Speaker
- 2016 \*<sup>†</sup> **Cherwin, C.H.**, & Kwekkeboom, K.L. Distress-Based Symptom Clusters and their Impact on Quality of Life. Midwest Nursing Research Society 40<sup>th</sup> Annual Conference, Milwaukee, WI. Paper
- 2015 \*<sup>†</sup> **Cherwin, C.**, & Kwekkeboom, K. Gastrointestinal Symptom Clusters in Hematology Patients Receiving Chemotherapy. Midwest Nursing Research Society 39<sup>th</sup> Annual Conference, Indianapolis, IN. Poster
- 2014 Dines, S. **Cherwin, C.** Self-Care Interventions for the Management of Mouth Sores in Hematology Patients Receiving Chemotherapy. Midwest Nursing Research Society 38<sup>th</sup> Annual Conference, St. Louis, MO. Poster
- 2014 \***Cherwin, C.** GI Symptom Measurement: Are We Just Full of Hot Air? Midwest Nursing Research Society 38<sup>th</sup> Annual Conference, St. Louis, MO. Oral
- 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 37<sup>th</sup> Annual Conference, Chicago, IL. Poster
- 2012 \*Chen, C.X., **Cherwin, C.**, Roiland, R., Kwekkeboom, Application of Two Approaches to Visualize Cancer Symptom Clusters. Midwest Nursing Research Society 36<sup>th</sup> Annual Conference, Deerborn, MI. Poster
- 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 36<sup>th</sup> Annual Conference, Deerborn, MI. Oral

## SERVICE

### Professional Service

#### Journal Peer Review

- 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

#### Professional Memberships & Service

- 2008-present Midwest Nursing Research Society, member
- 2021 Engagement Committee, Member
- 2018-2020 Symptom Science Research Interest Group, Chair
- 2018 Awards Reviewer, 42nd Annual Research Conference, Cleveland, OH
- 2015 Grants Reviewer, 40th Annual Research Conference, Indianapolis, IN

- 2013-present Putting Evidence into Practice: Chemotherapy Induced Nausea and Vomiting, Article Reviewer and Guideline Author
- 2008-present Oncology Nursing Society, member
- 2019-present Oncology Nursing Forum, Associate Editor
- 2015 Abstract Reviewer, 40th annual Congress, Orlando, FL
- 2013-2017 Wisconsin Capitol Chapter, Chapter President
- 2011-present Oncology Nursing Forum, Manuscript Reviewer

### University

- 2020-present Rural Cancer Collaboratory, Member
- 2020-present Faculty Senate, Member, Elected Position
- 2015-present University of Iowa Hospital and Clinics, Cancer Symptom Management Subcommittee, Member

### Collegiate

- 2020-present Young Scientist Program, Coordinator, Appointed Position
- 2019-present Council on Faculty, Elected Position
- 2018-present BSN Honors Program, Application Reviewer and Mentor
- 2016-2020 BSN Admissions Committee, Chair, Appointed Position
- 2015-present BSN Admissions Committee, Member

## TEACHING

### Course Instruction

- 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=5).

- NURS:3740 End of Life Care for Adults & Families. Primary Instructor. Undergraduate (n=17).  
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=34).  
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=27).  
NURS:3740 End of Life Care for Adults & Families. Team Teacher (n=4).
- 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*

- 2021 Young-Eun Cho, Teaching Mentor for NURS:3740, End of Life  
2018-present Chooza Moon, Teaching Mentor for NURS:3438, Nursing Pharmacological Interventions II

#### *Undergraduate Mentorship*

- 2019-present Critical MASS Faculty Mentor

### Advisement

#### *Undergraduate students*

- 2021 Research in Biomedical Science Mentor  
2020-present Young Scientist Program Mentor  
2016-2018 BSN Early Decision Mentor, 26 students  
2016-present BSN Honors Program Faculty Mentor

#### *Doctoral students*

- 2019-present Hoang, Jemie, dissertation title TBD, co-chair
- 2020-present Davis, Mary Beth, dissertation title TBD, committee member
- 2018- present Gonzalez, Alejandra, *Stigma and Health in Sexual and Gender Minority Populations*, committee member
- 2020 Kiran, Sapkota, *Risk Factors for Oral Cancer in Nepalese Population: A Hospital-Based Case-Control Study*, committee member
- 2020 Tannaz, Saeidzadeh, *Exploring Self-Management Activities in Long-Term Post-Treatment Cancer Survivors*, committee member
- 2020 Sena, Chae, *Comparison of Groups with Different Patterns of Symptom Cluster Intensity Across the Cancer Treatment Trajectory*, committee member