

CURRICULUM VITAE

Wanli Xu, PhD, RN

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I. EDUCATION

<u>Degree</u>	<u>Institution</u>	<u>Major Field</u>	<u>Minor Field</u>	<u>Date Completed</u>
PhD	University of Connecticut	Nursing	Nursing	Aug, 2018
BS	University of Connecticut	Nursing	Nursing	Dec, 2012
MS	Qingdao Univ. (China)	Medicine	Medicine	June, 2010
BS	Qingdao Univ. (China)	Medicine	Medicine	June, 2007

II. PROFESSIONAL EXPERIENCE

<u>From - To</u>	<u>Institution</u>	<u>Nature of Work</u>	<u>Academic Status</u>
2019-present	University of Connecticut, School of Nursing, Storrs, CT	Faculty	Assistant Professor (Tenure-Track)
2019-2022	University of Connecticut, School of Nursing, Storrs, CT	Administrative	Assistant Director of SON Bio-Behavioral Laboratory
2018-2019	University of Connecticut, School of Nursing, Storrs, CT	Clinical Research	Project Manager & post-doctoral fellow
2014-2017	University of Connecticut, School of Nursing, Storrs, CT	Clinical Research	Research Assistant
2013-2014	Lawrence Memorial Hospital Medical-surgical unit, New London, CT	Registered Nurse	Registered Nurse
2011-2012	University of Connecticut, Department of Molecular and Cell Biology, Storrs, CT	Animal Research	Research Assistant
2010-2010	Qingdao Women and Children's Hospital, Medical Residency Qingdao, China	Resident	

III. PUBLICATIONS

A. Journal Articles, Refereed (*data-based)

NCBI profile: (<https://www.ncbi.nlm.nih.gov/myncbi/1BABVjy4dxWAu/bibliography/public/>)

Google Scholar: h-index: 17; i10-index: 23

https://scholar.google.com/citations?hl=en&user=LD7cgisAAAAJ&view_op=list_works&sortby=pubdate

49. *Wu, W., Li, A., Singh, V., Salner, A., Chen, M. H, Judge, M., Cong, X., **Xu, W.** (2025) Pain and Fatigue Trajectories Throughout One Chemotherapy Cycle and their Associated Gene Expressions Profiles in Colorectal Cancer Patients. *PLOS One*. (JIF:2.9)

48. *Wu, W., Li, A., Graziano, T., Salner, A., Chen, M. H., Singh, V., Judge, M. P., Cong, X., & **Xu, W.** (accepted) Mediating Effect of Self-Efficacy on the Relationship Between Patient-Provider Partnership, Pain, and Quality of Life in Cancer Patients: A Cross-sectional Study. *Oncology Nurses Forum.* (JIF:1.6)

47. *Zhao, T., Li, A., Chang, X., Xu, W., Quinn, T., Chen, J., Matson, A. P., Chen, M. H., Taylor, S. N., & Cong, X. (2025). Sex-differences in Mothers' own milk and neurodevelopmental outcomes in preterm infants. *Frontiers in pediatrics*, 13, 1523952. <https://doi.org/10.3389/fped.2025.1523952> (JIF:2.1)

46. *Garnsey, C. L., Gnall, K. E., Emrich, M., Park, C. L., Starkweather, A. R., **Xu, W.**, Groessl, E. J., & Huedo-Medina, T. B. (2025). Baseline Participant Characteristics are Associated with Engagement in a Movement-Based RCT for Chronic Low-Back Pain. *American journal of health promotion*, 39(5), 744–755. <https://doi.org/10.1177/08901171251315014> (JIF:2.2)

45. *Dunnack Y, H., Xu, W., W Lee, J., Cong, X., Salner, A. L., Duffy, V. B., & Judge, M. P. (2024). HPV Status and Oral Health Symptom Patterning During Treatment and Survivorship in Patients with Head and Neck Cancer: A Longitudinal Analysis. *Oncology nursing forum*, 51(6), 565–575. <https://doi.org/10.1188/24.ONF.565-575> (JIF:1.6)

44. Wu, W., Graziano, T., Salner, A., Chen, M. H., Judge, M. P., Cong, X., **Xu, W.** (2024). Acceptability, Effectiveness and Roles of mHealth Applications in Supporting Cancer Pain Self-Management: An Integrative Review. *JMIR mHealth and uHealth*, 12, e53652. <https://doi.org/10.2196/53652> (JIF:5.4)

43. ***Xu, W.**, Li, A., Yackel, H., Sarta, M., Salner, A., Judge, M. (2024). Dietary consumption patterns in breast cancer survivors: Pilot evaluation of diet, supplements and clinical factors. *European journal of oncology nursing*, 72, 102678. <https://doi.org/10.1016/j.ejon.2024.102678> (JIF:2.7)

42. Starkweather, A. R., **Xu, W.**, Gnall, K. E., Emrich, M., Garnsey, C. L., Magin, Z. E., Wu, W., Fetta, J., Groessl, E. J., & Park, C. (2024). Testing Biological and Psychological Pathways of Emotion Regulation as a Primary Mechanism of Action in Yoga Interventions for Chronic Low Back Pain: Protocol for a Randomized Controlled Trial. *JMIR research protocols*, 13, e56016. <https://doi.org/10.2196/56016> (JIF:1.4)

41. *Dunnack Y, H., **Xu, W.**, Lee, J. W., Cong, X., Salner, A., Duffy, V. B., & Judge, M. P. (2024). Symptom Patterning Across the Cancer Care Trajectory for Patients Receiving Chemoradiation for Head and Neck Cancer: A Retrospective Longitudinal Study Using Latent Transition Analysis. *Cancer Nursing*, 47(4), 261–270. <https://doi.org/10.1097/NCC.0000000000001227> (JIF:2.6)

40. *Chen, J., Zhao, T., Li, H., **Xu, W.**, Maas, K., Singh, V., Chen, M. H., Dorsey, S. G., Starkweather, A. R., Cong, X. S. (2024) Multi-Omics Analysis of Gut Microbiota and Host Transcriptomics Reveal Dysregulated Immune Response and Metabolism in Young Adults with Irritable Bowel Syndrome. *International Journal of Molecular Sciences*, 25, 3514. <https://doi.org/10.3390/ijms25063514> (JIF:5.9)

39. Wu, W., Yackel, H. D., Salner, A., Chen, M. H., Judge, M. P., Cong, X., & **Xu, W.** (2023). Work-health balance of cancer survivors returning to work: A meta-ethnography. *European Journal of Oncology Nursing*, 68, 102482-102482. <https://doi.org/10.1016/j.ejon.2023.102482> (JIF:2.7)

38. ***Xu W.**, Wen X., Cong, X., Jiang, W. (2023). Plasma levels of neutralizing IgG autoantibodies against type I interferons are increased following COVID-19 mRNA vaccine in a small group of healthy individuals. *Journal of Medical Virology*, 95(10), e29137. <https://doi.org/10.1002/jmv.29137> (JIF:6.8)

37.*Daddi, L., Dorsett, Y., Geng, T., Bokoliya, S., Yuan, H., Wang, P., **Xu, W.**, & Zhou, Y. (2023). Baseline Gut Microbiome Signatures Correlate with Immunogenicity of SARS-CoV-2 mRNA Vaccines. *International Journal of Molecular Sciences*, 24(14), 11703. <https://doi.org/10.3390/ijms241411703> (JIF:6.208)

36. * **Xu, W.**, Zhang, Y., Wang, Z., Dorsey, S. G., Starkweather, A., & Kim, K. (2023). Pain self-management plus activity tracking and nurse-led support in adults with chronic low back pain: feasibility and acceptability of the problem-solving pain to enhance living well (PROPEL) intervention. *BMC nursing*, 22(1), 217. <https://doi.org/10.1186/s12912-023-01365-y> (JIF: 3.5)

35. *Chen, J., Li, H., Zhao, T., Chen, K., Chen, M.H., Sun, Z., **Xu, W.**, Maas, K., Lester, B.M., Cong, X. (2023). The impact of early life experiences and gut microbiota on neurobehavioral development in preterm infants: A longitudinal cohort study. *Microorganisms*, 11(3), 814. <https://doi.org/10.3390/microorganisms11030814> (JIF: 4.926)

34. *Jiang, W., Johnson, D., Adekunle, R., Heather, H., **Xu, W.**, Cong, X., Wu, X., Fan, H., Andersson, L. M., Robertson, J., & Gisslen, M. (2023). COVID-19 is associated with bystander polyclonal autoreactive B cell activation as reflected by a broad autoantibody production, but none is linked to disease severity. *Journal of Medical Virology*, 95(1), e28134. <https://doi.org/10.1002/jmv.28134> (JIF: 20.693)

33. ***Xu, W.**, Zhang, Y., Zhao, W., Chen, J., Maas, K., Hussain, N., Henderson, W. A., & Cong, X. (2022). Trends of fecal calprotectin levels and associations with early life experience in preterm infants. *Interdisciplinary Nursing Research*, 1(1), 36-42. <https://doi.org/10.1097/NR9.0000000000000006>

32. *Chen, J., Zhang, Y., Barandouzi, Z. A., **Xu, W.**, Feng, B., Chon, K., Santos, M., Starkweather, A., & Cong, X. (2022). Somatosensory profiles differentiate pain and psychophysiological symptoms among young adults with irritable bowel syndrome: A cluster analysis. *Clinical Journal of Pain*, 38(7), 492-501. <https://doi.org/10.1097/AJP.0000000000001046> (JIF: 3.423)

31. *Chen, J., Zhang, Y., Barandouzi, Z. A., Lee, J., Zhao, T., **Xu, W.**, Chen, M. H., Feng, B., Starkweather, A., & Cong, X. (2022). The effect of self-management online modules plus nurse-led support on pain and quality of life among young adults with irritable bowel syndrome: A randomized controlled trial. *International Journal of Nursing Study*, 132, 104278. <https://doi.org/10.1016/j.ijnurstu.2022.104278> (JIF:6.612)

30. *Adhikari, B., Starkweather, A., **Xu, W.**, Acabchuk, R. L., Ramesh, D., Eze, B., Yang, Y., Yang, G. S., Walker, J., Laubenbacher, R., & Park, C. L. (2022). A feasibility study on yoga's mechanism of action for chronic low back pain: Psychological and neurophysiological changes, including global gene expression and DNA methylation, following a yoga intervention for chronic low back pain. *Pilot Feasibility Study*, 8(1), 142. <https://doi.org/10.1186/s40814-022-01103-2> (JIF: 1.91)

29. Zhao, T., Starkweather, A. R., Matson, A., Lainwala, S., **Xu, W.**, & Cong, X. (2022). Nurses' experiences of caring for preterm infants in pain: A meta-ethnography. *International Journal Nursing Science*, 9(4), 533-541. <https://doi.org/10.1016/j.ijnss.2022.09.003> (JIF: 2.9)

28. Zhao, T., Alder, N. N., Starkweather, A. R., Chen, M. H., Matson, A. P., **Xu, W.**, Balsbaugh, J. L., & Cong, X. (2022). Associations of mitochondrial function, stress, and neurodevelopmental outcomes in early life: A systematic review. *Developmental Neuroscience*, 44(6), 438-454. <https://doi.org/10.1159/000526491> (JIF: 3.421)

27. *Ning, W., **Xu, W.**, Cong, X., Fan, H., Gilkeson, G., Wu, X., Hughes, H., & Jiang, W. (2022). COVID-19 mRNA vaccine BNT162b2 induces autoantibodies against type I interferons in a healthy woman. *Journal of Autoimmunology*, 132, 102896. <https://doi.org/10.1016/j.jaut.2022.102896> (JIF: 5.43)

26. ***Xu, W.**, Finitsis, D., Salner, A., & Judge, M. (2022). Feasibility of investigational procedures and efficacy of a personalized Omega-3 dietary intervention in alleviating pain and psychoneurological symptoms in breast cancer survivors. *Pain Management Nursing*, 24(1), 78–88. <https://doi.org/10.1016/j.pmn.2022.03.007> (JIF: 2.185)

25. * Kim, K., **Xu, W.**, Hong, S. J., Starkweather, A., Brown, R. F., & Walsh, S. (2022). Perceived discrimination and physical activity mediate the associations between receiving a survivorship care plan and cancer pain. *Cancer Epidemiology*, 78, 102155. <https://doi.org/10.1016/j.canep.2022.102155> (JIF: 2.89)

24. * Anderson, A. J., Starkweather, A., Cong, X., **Xu, W.**, Judge, M. P., Schulman-Green, D., Zhang, Y., Salner, A. L., & Dornelas, E. A. (2022). A descriptive survey study of patient needs and preferences for cancer pain self-management support. *Oncology Nursing Forum*, 49(1), 46–57. <https://doi.org/10.1188/22.ONF.46-57> (JIF: 1.803)

23. * Chen, J., Barandouzi, Z. A., Lee, J., **Xu, W.**, Feng, B., Starkweather, A., & Cong, X. (2022). Psychosocial and sensory factors contribute to self-reported pain and quality of life in young adults with irritable bowel syndrome. *Pain Management Nursing*, 23(5), 646–654. <https://doi.org/10.1016/j.pmn.2021.12.004> (JIF: 2.185)

22. * Fu, X., Cheng, D., Luo, Z., Wagner, A., Fitting, S., Cong, X., **Xu, W.**, Maas, K., Wan, Z., Zhu, J., Zhou, Z., Stoops, W. W., McRae-Clark, A., & Jiang, W. (2022). Oral enrichment of streptococcus and its role in systemic inflammation related to monocyte activation in humans with cocaine use disorder. *Journal of Neuroimmune Pharmacology*, 17(1-2), 305–317. <https://doi.org/10.1007/s11481-021-10007-6> (JIF: 7.285)

21. *Chen, J., Li, H., Hird, S. M., Chen, M.-H., **Xu, W.**, Maas, K., & Cong, X. (2021). Sex differences in gut microbial development of preterm infant twins in early life: A longitudinal analysis. *Frontiers in Cellular and Infection Microbiology*, 11(734). <https://doi.org/10.3389/fcimb.2021.671074> (JIF: 6.073)

20. Casavant, S. G., Chen, J., **Xu, W.**, Lainwala, S., Matson, A., Chen, M. H., Starkweather, A., Maas, K., & Cong, X. S. (2021). Multi-omics analysis on neurodevelopment in preterm neonates: A protocol paper. *Nursing Research*, 70(6), 462–468. <https://doi.org/10.1097/NNR.0000000000000548> (JIF: 2.364)

19. * **Xu, W.**, Gilmer, D. O., Starkweather, A., & Kim, K. (2021). Associations among marijuana use, health-related quality of life, exercise, depression and sleep in cancer survivors. *Journal of Advanced Nursing*, 77(5), 2386–2397. <https://doi.org/10.1111/jan.14780> (JIF: 3.057)

18. * Luo, Z., Fitting, S., Robinson, C., Benitez, A., Li, M., Wu, Y., Fu, X., Amato, D., Ning, W., Funderburg, N., Wang, X., Zhou, Z., Yu, X., Wagner, A., Cong, X., **Xu, W.**, Maas, K., Wolf, B. J., Huang, L., Yu, J., ... Jiang, W. (2021). Chronic cannabis smoking-enriched oral pathobiont drives behavioral changes, macrophage infiltration, and increases β -amyloid protein production in the brain. *EBioMedicine*, 74, 103701. <https://doi.org/10.1016/j.ebiom.2021.103701> (JIF: 11.205)

17. * Anderson, A., Starkweather, A., Cong, X., Kim, K., Schulman-Green, D., Judge, M., **Xu, W.**, & Zhang, Y. (2022). Self-efficacy survey study of pain self-management in patients with cancer. *Pain Management Nursing*, 23(4), 486–493. <https://doi.org/10.1016/j.pmn.2021.10.002> (JIF: 2.185)

16. Dunnack, H. J., Judge, M. P., Cong, X., Salner, A., Duffy, V. B., & **Xu, W.** (2021). An integrative review of the role of the oral and gut microbiome in oral health symptomatology during cancer therapy. *Oncology Nursing Forum*, 48(3), 317–331. <https://doi.org/10.1188/21.ONF.317-331> (JIF: 1.803)

15. *Sun, Z., **Xu, W.**, Cong, X., & Chen, K. (2020). Log-Contrast Regression with Functional Compositional predictors: Linking preterm infant's gut microbiome trajectories in early postnatal period to neurobehavioral outcome. *The Annals of Applied Statistics*, 14(3) 1535-1556. <https://doi.org/10.1214/20-aoas1357> (JIF: 1.675)
14. ***Xu, W.**, Luo, Z., Alekseyenko, A., Martin, L., Wan, Z., Warth, S., Meissner, E. G., Kilby, J. M., Cong, X., Jiang, W. (2018). Elevated plasma anti-CD4 autoantibody in viral suppressed HIV-infected patients under antiretroviral therapy compared to healthy controls and its associated plasma microbiome. *Scientific Reports*, 8(1), 12863. <https://doi.org/10.1038/s41598-018-31116-y> (JIF: 4.011)
13. Perry, M., Tan, Z., Chen, J., Weidig, T., **Xu, W.**, & Cong, X. S. (2018). Neonatal pain: Perceptions and current practice. *Critical Care Nursing Clinics*, 30(4), 549-561. <https://doi.org/10.1016/j.cnc.2018.07.013> (JIF: 0.756)
12. *Wang, Y., Briere., C., **Xu, W.**, and Cong, X. (2018). Factors affecting breastfeeding outcomes at six month in preterm infants. *Journal of Human Lactation*, 35(1), 80–89. <https://doi.org/10.1177/0890334418771307> (JIF: 2.349)
11. Cong, X., Ramesh, D., Perry, M., Xu, W., Bernier, K. M., Young, E. E., Walsh, S., & Starkweather, A. (2018). Pain self-management plus nurse-led support in young adults with irritable bowel syndrome: Study protocol for a pilot randomized control trial. *Research in Nursing & Health*, 41(2), 121–130. <https://doi.org/10.1002/nur.21862> (JIF: 1.678)
10. **Xu, W.**, Judge, M. P., Maas, K., Hussain, N., McGrath, J. M., Henderson, W. A., & Cong, X. (2018). Systematic review of the effect of enteral feeding on gut microbiota in preterm infants. *Journal of Obstetric, Gynecologic, and Neonatal Nursing*, 47(3), 451–463. <https://doi.org/10.1016/j.jogn.2017.08.009> (JIF: 1.219)
9. *Cong, X., Wu, J., Vittner, D., **Xu, W.**, Hussain, N., Galvin, S., Fitzsimons, M., McGrath, J.M., and Henderson, W. A. (2017). The impact of cumulative pain/stress on neurobehavioral development of preterm infants in the NICU. *Early Human Development*, 108, 9-16. <https://doi.org/10.1016/j.earlhumdev.2017.03.003> (JIF: 2.025)
8. *Cong, X., Judge, M., **Xu, W.**, Diallo, A., Janton, S., Brownell, E.A., Maas. K., and Graf. J. (2017). Influence of feeding type on gut microbiome development in hospitalized preterm infants. *Nursing Research*, 66(2), 123-133. <https://doi.org/10.1097/NNR.0000000000000208> (JIF: 1.725)
7. Cong, X., **Xu, W.**, Romisher. R., Poveda. S., Forte. S., Starkweather. A. & Henderson. W.A. (2016). Gut microbiome and infant health: Brain-gut-microbiota axis and host genetic factors. *Yale Journal of Biology and Medicine*, 89(3), 299–308.
6. ***Xu, W.**, Cong, X., Walsh, S. (2016). Development and validation of accumulated pain/ stressor scale (APSS) in NICUs: A national survey. *Pain Management in Nursing*, 17(6), 354–362.
5. *Cong, X., **Xu, W.**, Janton, S., Henderson, W.A., Matson, A., McGrath, J.M., Maas, K., & Graf, J. (2016). Gut microbiome patterns in early life of preterm infants in neonatal intensive care units. *Plos One*, 11(4), e0152751.
4. * Giardina, C., Nakanishi, M., Khan, A., Kuratnik, A., **Xu, W.**, Brenner, B., & Rosenberg, D. W. (2015). Regulation of VDR expression in Apc-mutant mice, human colon cancers and adenomas. *Cancer Prevention Research*, 8(5), 387–399.
3. * Cao, L., Kuratnik, A., **Xu, W.**, Gibson, J. D., Kolling, F., 4th, Falcone, E. R., Ammar, M., Van Heyst, M. D., Wright, D. L., Nelson, C. E., & Giardina, C. (2015). Development of intestinal organoids as tissue surrogates: cell composition and the epigenetic control of differentiation. *Molecular Carcinogenesis*, 54(3), 189–202.

2. *Zhao., X., Dai. S., Yao, Q., Fu, Z. & **Xu, W.** (2010). Expression of Calpain 6 in cervical carcinoma and its relationship with MVD. *Medical Journal of Qilu*, 4, 13-15.
1. ***Xu, W.**, Dai, S., Wang, P., Yao, Q., Zhao, X. & Li, Q. (2009) Changes of tumor suppressor gene PTEN and microsatellite instability in the malignant transformation of endometriosis and their correlations. *Progress in Modern Biomedicine*, 9, 4464-4468.

IV. RESEARCH AND EVALUATION GRANTS RECEIVED (most recent first)

A. Active and Completed Grants and Contracts

6/2021-6/2023	<i>Interplay of Gut Microbiome, Immune Responses, and Self-Reported Reactions to COVID-19 Vaccination.</i> InCHIP Seed Grant. ROLE: PI-Xu, W The study aims to examine the interplay between gut microbiome composition, immune responses and self-reported symptom profiles following mRNA COVID-19 vaccination.	\$15,000 Funded
03/2021-03/2022	<i>The Impact of Gut Microbiome on Human Immune Responses to COVID-19 Vaccination.</i> UConn School of Nursing Dean's Award. ROLE: PI-Xu, W The purpose of the study is to investigate associations between gut microbiota diversity and immunogenicity following COVID-19 vaccination, with a focus on antibody production and inflammatory biomarkers	\$9,000 Funded
6/2020-5/2026	<i>Emotion Regulation as Primary Mechanism of Action in Yoga Interventions for Chronic Low Back Pain: An RCT testing biological and psychological pathways.</i> NIH-NCCIH R01AT010555. Role: Co-I; PI-Park/Starkweather (MPI) This RCT aims to examine the mechanistic effects of yoga on chronic low back pain by assessing emotion regulation as a primary pathway and examining its mediation through transcriptomic changes and pain sensitization mechanisms.	\$3,071,664 Funded
1/2019-1/2022	<i>Microbiome and Transcriptome Modulation of Chemotherapy-related Pain and Fatigue in Colorectal Cancer Patients</i> Oncology Nursing Society Foundation RE01 Research Grant ROLE: PI-Xu, W The purpose of the research is to investigate the linkage of lifestyle factors (diet, physical activity) and symptom phenotype (pain, fatigue and quality of life) in colorectal cancer (CRC) patients during pre- and post- chemotherapy, regulated by bio-omics-microbial pathways.	\$25,000 Funded
1/2018-4/2022	<i>Impact of Physical Activity on the Neurophysiologic and Gene Expression Profiles of Chronic Low Back Pain: A Longitudinal Cohort Study.</i> ROLE: Pilot PI-Xu, W National Institute of Nursing Research P20NR016605. The study aims to examine neurophysiologic and gene expression profiles among chronic low back patients exposed to a pain self-management intervention that incorporates the minimum threshold dose of physical activity.	\$25,000 Funded
11/2018-10/2019	<i>The Impact of Stress and Gut Inflammation on Neurodevelopmental Outcomes in Extremely Preterm Infants</i> National Association of Neonatal Nurses (NANN) Small Research Grant ROLE: PI-Xu, W The purpose of the research is to investigate the association between early life stress, gut inflammation and neurobehavioral outcomes in extremely preterm infants.	\$5,000 Funded
08/2017-12/2018	<i>Transcriptional profiling of pain gene using RNA sequencing in IBS patients</i> Graduate Assistance in Areas of National Need (GAANN) Fund. ROLE: PI-Xu, W The purpose of the study is to discover areas of gene expression that show marked changes in expression and its association with persistent symptoms (i.e., pain) in patients with irritable bowel syndrome.	\$13,000 Funded

9/2016-8/2018	<p><i>Stress and Gut Inflammatory Responses in Modulating Neurodevelopmental Outcomes in Preterm Infants.</i> American Nurses Foundation. ROLE: PI-Xu, W</p> <p>The purpose of the research is to investigate the linkage of gut inflammatory responses and early life stress, and the linkage of gut inflammatory responses and neurodevelopmental outcomes among preterm infants.</p>	\$5,000 Funded
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B. Recent Grants Submissions (pending)

Submitted 06/2025	Projected 10/2025-9/2027	<i>Feasibility Testing of a Pain Self-Management Intervention for Cancer Survivors</i> Oncology Nurses Foundation. ROLE: PI-Xu, W. The purpose of this study will evaluate the feasibility, acceptability, and preliminary effects of EMPOWER, a co-developed, patient-centered, multimodal pain self-management intervention for cancer survivors.	\$50,000 Under review
02/2025	12/2025-11/2028	<i>Optimizing a Multimodal Mind-Body Self-Management Intervention for Managing Chronic Low Back Pain.</i> NCCIH R34. ROLE: PI-Xu, W. This study aims to adapt a multimodal self-management intervention and test its feasibility, acceptability and initial efficacy in adult with chronic low back pain.	\$763,000 Impact Score: 40

C. Unfunded Grants Submissions

06/2024	<i>Developing and Assessing the Feasibility of a Pain Self-Management Intervention for Rural Cancer Survivors.</i> Oncology Nurses Foundation ROLE: PI-Xu, W	\$50,000 Not funded
02/2024	<i>Initial testing of the EMPOWER intervention to address Pain Disparities in Rural Cancer Survivors.</i> NIH-NINR R21. ROLE: PI-Xu, W	\$471,333 Not funded
03/2023	<i>Improving IBS-related Health Outcomes in Young Adults: A Personalized Pain Self-Management Approach (IBS-PPSM).</i> NIH-NIDDK R01. ROLE: Site-PI; PI-Cong, X.	\$3,759,052 Not funded
02/2023	<i>Effects of a dietary fish intervention on improving psychoneurological symptoms and quality of life through optimizing microbial-inflammatory markers in breast cancer survivors.</i> NIH-NCI R01. Role: Multi-PI: Judge, M; Xu, W	\$4,060,782 Not funded
01/2023	<i>Dietary Omega-3 During BC Treatment: Gut Health & Symptom Self-Management.</i> Gateway For Cancer Research. Role: Multi-PI: Judge, M; Xu, W	\$630,270.00 Not funded
11/2021	<i>Early Sex-Based Precision Feeding and Nutrition on Gut Health, Growth, and Development in Preterm Infants.</i> NIH-NICHD R01. ROLE: Co-I; PI-Cong, X.	\$ 4,079,435 Not funded
02/2021	<i>Effects of the Breast Cancer Omics and Omega-3LC Guided Symptom Therapy (BOOST) on Improving Symptom Self-Management in Breast Cancer Survivors.</i> NIH-NINR R01. Role: Multi-PI: Judge, M; Xu, W	\$ 2,264,60 Not Funded
06/2020	<i>A symptom self-management approach for breast cancer survivors using a dietary intervention targeting optimization of microbial-inflammatory markers.</i> InCHIP Seeds Grant Role: Multi-PI: Judge, M; Xu, W	\$20,000 Not Funded
04/2020	<i>Microbiome and Cognitive Function in Breast Cancer patients with Chemotherapy.</i> IBACS seed grant. ROLE: PI-Xu, W	\$23,940 Not Funded
04/2020	<i>Linkage of Gut Microbiota and Chemotherapy-related Pain and Fatigue in Colorectal Cancer Patients.</i> Connecticut Institute for Clinical and Translational Science Pre-K Scholar Career Development Award. ROLE: PI-Xu, W	\$32,000 Not Funded

02/2020	<i>A symptom self-management approach for breast cancer survivors using a dietary intervention targeting optimization of biological and gut-microbiome markers.</i> NIH-NINR R01. Role: Multi-PI: Judge, M; Xu, W	\$1,928,108 Not Funded
2/2018	<i>Center for Optimizing Symptom Management of Multiple Chronic Conditions Using Nursing-Omics Evaluation (COMMUNE)</i> NIH-NINR 1 P20 NR018088-01 ROLE: Pilot Project PI-Xu, W Core PI-Cong, X	\$1,250,000 Not Funded
04/2016	<i>The Role of Stress and Gut Inflammation in Regulating Neurobehavioral Outcomes among Preterm Infants.</i> Little Giraffe Foundation.	\$5,000 Not Funded

D. Letter of Intent Submitted

06/2025	<i>Cognitive Behavioral Therapy for musculoskeletal Pain AND Sleep in Breast Cancer Survivors.</i> Gateway Foundation. ROLE: PI-Xu, W.
04/2025	<i>A Value-Driven Educational Program to Reduce Low-Value Care and Improve Outcomes in Chronic Low Back Pain.</i> Donoghue Foundation. ROLE: PI-Xu, W.

V. HONORS RECEIVED/ SPECIAL CERTIFICATIONS (most recent first)

A. Honors Received

05/2018: Carolyn Ladd Widmer Award for Outstanding Research, UConn School of Nursing

04/2018: 2nd Place PhD Peer-Reviewed Poster Award, ENRS 30th Annual Scientific Session

02/2010: Modern Biomedicine magazine 2009 outstanding essays, Qingdao, China

VI. PRESENTATIONS (most recent first)

A. Workshops and Institutes Presented

Conference Presentations with Proceedings

Ma, Y., Chen, J., **Xu, W.**, Yu, CH. (2025, May) Deep Learning Models to Identify Insomnia Using Heart Rate Data During Wake Before Sleep Onset. In *Sleep* (Vol. 48, Issue Supplement_1, pp. A223)

Wu, W., Cong, X., **Xu, W.** (2025, April) Pain and Fatigue Trajectories Throughout One Chemotherapy Cycle and Their Associated Gene Expressions Profiles in Colorectal Cancer Patients. In *The Journal of Pain* (Vol. 29, 105091)

Emrich, M., Gnall, K., Osherow, E., Garnsey, C., Starkweather, A., Park, C., **Xu, W.**, Magin, Z., Alhabodal, A., Groessl, E., & Huedo-Medina, T. (2025, April). Improving Design and Execution of Non-Pharmacologic Chronic Pain Intervention Trials: Lessons Learned from a Randomized Controlled Trial of Yoga vs. Stretching for Chronic Low Back Pain. In *The Journal of Pain*, (Vol 29, 105027)

Scheibner, H., **Xu, W.**, Walsh, S., & Condon, E. (2024, May). Family Economic Strain Is Associated with Parent-Child Sleep Interactions. In *Sleep* (Vol. 47).

Wu, W., Li, A., Graziano, T., Salner, A., Chen, M. H., Judge, M., ... & **Xu, W.** (2024, May). Mediating Effect of Self-Efficacy in Managing Cancer Pain on Relationships Between Patient-Provider

Partnership, Pain, and Quality of Life: A Cross-Sectional Study. In *Nursing Research* (Vol. 73, No. 3, pp. E136-E137).

Wu, W., **Xu, W.**, Cong, X., Graziano, T., Salner, A., Judge, M., Chen, M.H. (2024, May) Acceptability, Effectiveness, and Roles of mHealth Applications in Supporting Cancer Pain Self-Management: An Integrative Review. In *Nursing Research* (Vol. 73, No. 3, pp. E54-E54).

Xu, W., Elliam, W., & Li, A. (2024, March). Factors Associated with Pain in Cancer Survivors-An Analysis of BRFSS Data. In *Oncology Nursing Forum* (Vol. 51, No. 2, pp. E359-E360).

Xu, W., Wu, W., Yackel, H. D., Salner, A., & Judge, M. (2024, March). Association Between Gene Expression and Pain Trajectory in Colorectal Cancer Patients Undergoing Chemotherapy. In *Oncology Nursing Forum* (Vol. 51, No. 2, pp. E372-E373).

Zhao, T., Alder, N., Starkweather, A., Chen, M. H., Matson, A., **Xu, W.**, ... & Cong, X. (2022, May). Mitochondrial Function in Neurodevelopmental Outcomes following Early Life Stress: A Systematic Review. In *Nursing Research* (Vol. 71, No. 3, pp. S114-S114).

Chen, J., Zhang, Y., Zhao, T., **Xu, W.**, Starkweather, A., Dorsey, S., & Cong, X. (2022, May). Linkage between the Gut Microbiota and Host Transcriptomic among Young Adults with Irritable Bowel Syndrome: A Multi-Omics Approach. In *Nursing Research* (Vol. 71, No. 3, pp. S26-S26)

Yang, G., Meegan, T., **Xu, W.**, & Starkweather, A. (2021, March). Quantitative sensory testing in the assessment of pain in cancer patients: a systematic review and meta-analysis. in *oncology nursing forum* (vol. 48, no. 2, pp. 25-25).

Kim, K., **Xu, W.**, & Ramesh, D. (2019, November). Associations between marijuana use and quality of life and functional outcomes among cancer survivors: Findings from the Behavioral Risk Factor Surveillance System. In APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6).

Xu, W., Cong, X., & Starkweather, A. (2019, March). Pain and Gene Expression Profiles in Patients with Irritable Bowel Syndrome (IBS): Results from a Pilot Randomized Controlled Trial of a Pain Self-Management Intervention. In *Nursing Research* (Vol. 68, No. 2, pp. E53-E53).

International Presentations

Cong, X. & **Xu, W.** (2023). Integrating Biobehavioral, Multi-Omic, and Translational Research to Promote Health Across Life Span. *Nursing Research Forum* at Peking University School of Nursing. June 1, 2023, Beijing, China

Xu, W., Starkweather, A. & Cong, X. (2019, Nov). Transforming Symptom Self- Management with Genomics. 2019 ISONG World Congress, San Antonio, TX.

Xu, W., Singh, V., Starkweather, A., Cong, X. (2019, Nov). Pain and Gene Expression Profiles in Patients with Irritable Bowel Syndrome (IBS): Results from a Pilot Randomized Controlled Trial of a Pain Self-Management Intervention. 2019 ISONG World Congress, San Antonio, TX.

Chen, J., **Xu, W.**, Maas, K., Cong, X., (2019, Nov). The Impact of Genetics and Environment on Gut Microbiota in Early Life: A Study of Twins and Triplets. 2019 ISONG World Congress, San Antonio, TX.

Cong, X. **Xu, W.** & Henderson, W. (2019). Cumulative Pain/Stress, Gut Microbiome and Neurodevelopment in Preterm Infants. 12th International Symposium on Pediatric Pain (ISPP) 2019, June 16 -20, 2019; Basel, Switzerland

Xu, W. (June, 2018) Interplay Between Pain, Gut Microbiota, and Inflammation in Preterm Infants. The 2nd Qilu Nursing (International) Forum of Shandong Province. Jinan, China

Cong, X., Graf, J., Henderson, W., Maas, K., **Xu, W.** (2015, Nov). Stressors, Gut Microbiome and Neurodevelopment in Preterm Infants in the NICU. Epigenetics Across the Life Span: 2015 ISONG World Congress. Pittsburgh, PA.

National Presentations

Emrich, M., Gnall, K., Osherow, E., Garnsey, C., Starkweather, A., Park, C., **Xu, W.**, Magin, Z., Alhabodal, A., Groessl, E., & Huedo-Medina, T. (May 2025). Improving Design and Execution of Non-Pharmacologic Chronic Pain Intervention Trials: Lessons Learned from a Randomized Controlled Trial of Yoga vs. Stretching for Chronic Low Back Pain. USASP 2025 Annual Scientific Meeting, Chicago, IL.

Scheibner, H., **Xu, W.**, Walsh, S., & Condon, E. (Jun 2024). Family Economic Strain Is Associated with Parent-Child Sleep Interactions. Sleep 2024, Houston, TX.

Xu, W. (May, 2024) Pain self-management plus activity tracking and nurse-led support in adults with chronic low back pain. 2nd Annual PURPOSE Meeting for Pain Researchers. National Harbor, MD

Wu, W., **Xu, W.** (Apr 2024) Association Between Gene Expression and Pain Trajectory in Colorectal Cancer Patients Undergoing Chemo- Therapy. 49th Annual Oncology Nurse Society Congress, Washington D.C.

Xu, W. (Apr 2024) Factors Associated with Pain in Cancer Survivors- An Analysis of BRFSS Data. 49th Annual Oncology Nurse Society Congress, Washington D. C.

Wu, W., **Xu, W.** (Apr 2023) Chemotherapy-Related Symptoms Trajectory and the Linkage with Physical Activity and Diet in Colorectal Cancer Patients. 48th Annual Oncology Nurse Society Congress, San Antonio, TX.

Xu, W. (Sep 2022) Immune Responses and Adverse Effect following COVID-19 Vaccine. CANS 2022 State of the Science Congress on Nursing Research. Washington D.C.

Xu, W. (2020, Oct) The Impact of Stress and Gut Inflammation on Neurodevelopmental Outcomes in Preterm Infants. NANN Virtual Annual Conference.

Xu, W., Kim, K., Wang, Z., Yang, Y., Zhang, Y., Starkweather, A. (2020, Sep) Impact of Physical Activity on Neurophysiologic and Gene Expression Profiles in Chronic Low Back Pain. NIH-NINR Center Meeting, virtual.

Xu, W., Casavant, S., Chen, J., Cong, X., Reagan, L., Starkweather, A. (2020, Sep) Using Biobehavioral and Omic Methodologies to Assess Environmental Factors Affecting Health. CANS Virtual Conference.

Chen, J., **Xu, W.**, Maas, K., Cong, X., (2019, Nov). The Impact of Genetics and Environment on Gut Microbiota in Early Life: A Study of Twins and Triplets. 2019 ISONG World Congress, San Antonio, TX.

Xu, W., Cong., X, (2018, Oct). Cumulative Pain/Stress and Gut Inflammation in Preemies. 2018 State of The Science Congress on Nursing Research- Precision Health. Washington, D.C.

Cong, X., **Xu, W.**, Henderson, W. (2017, Oct). Infant Pain/Stress, Gut Microbiome and Neurodevelopment. CANS 2017 conference, Washington. D.C.

Xu, W., Cong, X. (2016, Apr). Feeding Type in Modulating Premature Infant Gut Microbiome. NANN 11th Annual Research Summit, Scottsdale, AZ.

Xu, W., Cong, X. (2015, Oct). Development of Accumulated Pain/ Stressor Scale (APSS) in NICUs: A National Survey. National Institute of Nursing Research 30th Anniversary Scientific Symposium. Bethesda, MD.

Regional Presentations

Elliam, W., **Xu, W.** (Apr 2025) Psychometric Evaluation of The Pain Management Self-Efficacy Questionnaire (PMSEQ) Among Nurses in the United States. ENRS 2025. Philadelphia, PA.

Elliam, W., **Xu, W.** (Oct 2024) Mapping the Pain Trajectory of Breast Cancer Survivors: Results from a Retrospective Chart Review. Connecticut Nursing Research Alliance, 28th Annual Evidence-Based Practice Conference. Hartford, CT.

Wu, W., **Xu, W.** (Apr 2024) Mediating Effect of Self-Efficacy in Managing Cancer Pain on Relationships Between Patient-Provider Partnership, Pain, and Quality of Life: A Cross-Sectional Study. Research Day 2024. Storrs, CT

Wu, W., **Xu, W.** (Apr 2024) Mediating Effect of Self-Efficacy in Managing Cancer Pain on Relationships Between Patient-Provider Partnership, Pain, and Quality of Life: A Cross-Sectional Study. ENRS 2024. Boston, MA.

Wu, W., **Xu, W.** (Apr 2024) Acceptability, Effectiveness, and Roles of mHealth Applications in Supporting Cancer Pain Self-Management: An Integrative Review. ENRS 2024. Boston, MA. (1 point)

Wu, W., **Xu, W.**, Li, A. (March 2023) Chemotherapy-Related Symptoms Trajectories and the Linkage with Physical Activity and Diet in Colorectal Cancer Patients. ENRS 2023. Philadelphia, PA

Xu, W. (Feb 2023) Omics Biomarkers in Clinical Pain Research. CAMP Seminar in Pain Research, Storrs, CT

Xu, W., Cong, X., Yang, G., Carter, E., Starkweather, A. (2021, Feb) Collaborative Research During Pandemic and Management of Shared Biobehavioral Research Laboratory. ENRS Webinar, virtual.

Xu, W. (2020, Oct) Multi-Omics and Symptom Cluster in Oncology Patients. Mount Sinai Health System nursing research day, virtual. (Invited Keynote Speaker)

Xu, W., Singh, V., Starkweather, A., Cong, X., (2019, Nov). Pain and Gene Expression Profiles in Patients with Irritable Bowel Syndrome (IBS): Results from a Pilot Randomized Controlled Trial of a Pain Self-Management Intervention. 2019 ISONG World Congress, San Antonio, TX.

Xu, W., Singh, V., Starkweather, A., Cong, X., (2019, Nov). Pain and Gene Expression Profiles in Patients with Irritable Bowel Syndrome (IBS): Results from a Pilot Randomized Controlled Trial of a Pain Self-Management Intervention. Systems Biology of Aging: Data Science Meets Genoscience Conference, Farmington, CT.

Xu, W., Cong, X. (2019, April). Pain and Gene Expression Profiles in Patients with Irritable Bowel Syndrome (IBS): Results from a Pilot Randomized Controlled Trial of a Pain Self-Management Intervention. ENRS 31th Annual Scientific Session, Providence, RI.

Kim, K., Starkweather, A., Cong, X., **Xu, W.**, Lucas, R. & Russell, B., (2019, April). Innovative Approaches for Advancing Pain and Symptom Self-Management Research and Patient Outcomes. ENRS 31th Annual Scientific Session, Providence, RI.

Xu, W., (2018, Nov). Pain/stress, Microbiome and Neurodevelopmental Outcomes in Preterm Infants. University of Connecticut 1st COR²E Facilities Symposium, Storrs, CT.

Xu, W., Zhao., W., Chen, J., Henderson. W., Cong. X., McGrath, J., Maas, K., Hussain, N., (2018, Apr) Stress and gut inflammatory responses in modulating neurodevelopmental outcomes in preterm infants. ENRS 30th Annual Scientific Sessions, Newark, New Jersey.

Cong, X., Xu, W., Ramesh, D., Perry, M., Bernier. K., Starkweather. (2017, Oct). A. Pain and Gut Microbiome Patterns in Young Adults with IBS. CANS 2017 conference, Washington. DC, USA.

Xu, W., Cong. X., Henderson, W. (2017, Apr). The Role of Chronic Pain in Modulating Preterm Infants' Gut Microbiome. ENRS 29th Annual Scientific Sessions, Philadelphia, Pennsylvania, USA.

Xu, W. (2017, Apr). The Impact of Accumulative Pain/Stress on Neurobehavioral Development of Preterm Infants in the NICU. ENRS 29th Annual Scientific Sessions, Philadelphia, Pennsylvania, USA.

Xu, W., Cong, X. (2016, Apr). Development of Accumulated Pain/ Stressor Scale (APSS) in NICUs: A National Survey. ENRS 28th Annual Scientific Sessions, Pittsburgh, Pennsylvania, USA.

Xu, W. (2010, June). *Changes of tumor suppressor gene PTEN and microsatellite instability in the malignant transformation of endometriosis and their correlations*. Qingdao Gynecology Research Communication Mtg, Qingdao, China.

VII. TEACHING EXPERIENCE (most recent first)

A. Formal Classes

* UG=Undergraduate students; MS=Master Students. Ph.D. = Students enrolled in the Ph.D. program

Semester/Year	Course Number & Title	Teaching Role	Class Size
Fall 2025	NURS 3100 Clinical Science I	Instructor	105 UG
Fall 2025	NURS 4230W Quality Improvement and Evidence Based Practice in Nursing	Instructor	17 UG
Spring 2025	NURS 3100 Clinical Science II	Instructor	100 UG
Spring 2025	NURS 5098 Independent Study	Instructor	1 MS
Fall 2024	NURS 3100 Clinical Science I	Instructor	99 UG
Fall 2024	NURS 4230W Quality Improvement and Evidence Based Practice in Nursing	Instructor	15 UG
Fall 2024	NURS 5060 Advanced Pathophysiology: Concepts for Advanced Nursing Practice Across the Lifespan	Instructor	25 MS
Summer 2024	NURS 5020 Statistical methods in Health Sciences Research	Instructor	22 MS
Spring 2024	NURS 6123 Quantitative Methods for Design and Analysis in Nursing Research II	Instructor	4 Ph.D. +1 Ph.D. Audit
Spring 2024	NURS 6950 Doctoral Dissertation Research (Dissertation Research)	Research Advisor	1 Ph.D.
Spring 2024	NURS 6135 -Exploring the Nature of Nursing Knowledge	Guest Lecturer	5 Ph.D.

Fall 2023	NURS 6125 Quantitative Methods for Design and Analysis in Nursing Research III	Instructor	4 Ph.D.
Fall 2023	NURS 6950 Doctoral Dissertation Research (Dissertation Research)	Research Advisor	1 Ph.D.
Fall 2023	N903 Measurement of Biobehavioral Phenomena (Yale School of Nursing)	Guest Lecturer	3 Ph.D. +2 Visiting Fellows
Spring 2023	NURS 6123 Quantitative Methods for Design and Analysis in Nursing Research II	Instructor	5 Ph.D.
Spring 2023	NURS 6135 -Exploring the Nature of Nursing Knowledge	Guest Lecturer	5 Ph.D.
Fall 2022	NURS 6125 Quantitative Methods for Design and Analysis in Nursing Research III	Instructor	4 Ph.D.
Fall 2022	NURS 5060 Advanced Pathophysiology: Concepts for Advanced Nursing Practice Across the Lifespan	Instructor	13 MS
Fall 2022	NURS 5020 Statistical methods in Health Sciences Research	Instructor	16 MS
Fall 2022	NURS 5098 Independent Study	Instructor	1 MS
Summer 2022	NURS 5020 Statistical methods in Health Sciences Research	Instructor	27 MS
Spring 2022	NURS 4299 Independent Study	Instructor	1 UG
Fall 2021	NURS 3715W Nursing Leadership in the 21st Century	Instructor	17 UG
Fall 2021	NURS 5020 Statistical methods in Health Sciences Research	Instructor	19 MS
Spring 2021	NURS 4299 Independent Study	Instructor	1 UG
Summer 2020	Microbiome Workshop (5 days)	Co-Instructor	12 (students and faculty)
Fall 2019	R (data wrangling and statistical analysis) workshop (2 days)	Instructor	5 Ph.D. + 1 post-Doc

B. Masters, Predoctoral, and Postdoctoral Trainee

Dates	Name	Program or School	Role
2024-Present	Katherine Gnall	Ph.D. Psychology	Associate advisor
2023- Present	Wilfred Elliam	Ph.D. Nursing	Major advisor
2022- Present	Derek Lanchance	Ph.D. Nursing	Reader
2022-Present	Sarah Todd	Ph.D. Nursing	Reader
2022-2024	Weizi Wu	Ph.D. Nursing	Major advisor

2020-2023	Batool Almasri	Ph.D. Nursing	Associate advisor
2019-2022	Hayley Dunnack	Ph.D. Nursing	Associate advisor
2020-2022	Ghaida Alahmadi	M.S. Applied Genomics	Associate Advisor
2020-2022	Bright Eze	Ph.D. Nursing	Research mentor
2019-2022	Tingting Zhao	PhD. Nursing	Reader
2019-2021	Alice Anderson	Ph.D. Nursing	Reader
2019-2022	Yuxuan Yang	Ph.D. Nursing	Research mentor
2019-2022	Zequan Wang	Ph.D. Nursing	Research mentor

C. Undergraduate Program Students

Time	Students	Role
2020 - 2022	Kelly Ho (NURS)	Major advisor
2020 - 2021	Grace Xiong (MCB, Pre-med)	Research Mentor
2018 - 2020	Zewen Tan (MCB, Pre-med)	Research Mentor
2018 - 2019	Tessa Weidig (NURS)	Research Mentor

VII. SERVICE (most recent first)

A. Professional Service

International Service

2025- present:	Journal Reviewer: European Journal of Cancer Care
2023- present:	Journal Reviewer: Frontiers in Psychology
2022- present:	Editorial Board Member: Journal of Interdisciplinary Nursing Research
2022- present:	Journal Reviewer: Journal of Interdisciplinary Nursing Research
2022- present:	Journal Reviewer: Chronic Illness
2022- present:	Journal Reviewer: Frontiers in Microbiology
2021- present:	Journal Reviewer: Frontiers Cellular and Infection Microbiology
2020- present:	Journal Reviewer: Supportive Care in Cancer
2019- present:	Journal Reviewer: Journal of Psychosoma Research
2019- present:	Consultant of Qingdao Women and Children's Hospital, Qingdao, China
2018- present	Consultant of Nursing School, Shandong University of Traditional Chinese Medicine, Jinan, China

National Service

6/2021- present:	Grant reviewer: Oncology Nursing Foundation
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Regional Service

12/2020- present:	Grant reviewer: Sigma Theta Tau International, Mu Chapter
6/2021- present:	Grant reviewer: InCHIP Seed Grant
8/2022- present:	Sigma Theta Tau International, Mu Chapter. Research Chair
8/2020-8/2022:	Sigma Theta Tau International, Mu Chapter. Faculty Counselor

B. UConn School of Nursing Service

8/2024-present:	PhD Curriculum Review and Revision Quant course subcommittee
8/2023-present:	PhD Curriculum Review and Revision Committee
8/2023-present:	Recruitment and Selection Committee

8/2022-present: ENRS Liaison

8/2019-8/2022: UConn Faculty Grade Review

8/2019-6/2020: Assistant Director, UConn School of Nursing Biobehavioral Research Lab

C. UConn University-Level Service

5/2020-5/2021: School of Nursing representative for UConn Research Ramp up Advisory Group

5/2020-5/2022: Assistant Director, UConn Biobehavioral Research Lab (approved as UConn Service Center)

D. Affiliation and Membership

2024-present: PURPOSE The Pain Research Network, Member

2024-present: US Association for the Study of Pain, Member

2018-present: Council for the Advancement of Nursing Science, Member

2018-present: Oncology Nursing Society, Member

2015-present: Eastern Nursing Research Society, Member

2015-present: International Society of Nurses in Genetics, Member

2012-present: American Nurses Association, Member

2012-present: Sigma Theta Tau International, Member