CANHUA XIAO, PhD RN FAAN

Professor

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**EDUCATION**

2011-2013 Emory University, Atlanta, GA Post Doctoral Fellowship

2011 University of Pennsylvania, Philadelphia, PA PhD, Nursing

2005 First Military Medical University, Guangzhou, China MSN, Nursing

2000 Peking Union Medical College, Beijing, China BSN, Nursing

**LICENSES AND CERTIFICATIONS**

2012-Present RN Georgia, RN221864

2011-2012 RN California, RN800826

**HONORS AND AWARDS**

2024 Georgia CTSA Team Science Award of Distinction for Early Stage Research Teams

2018 Fellow of American Academy of Nursing (FAAN)

2018 Distinguished alumni, University of Pennsylvania School of Nursing

2018 Young Investigator Award by the Multinational Association of Supportive Care in Cancer

(MASCC) and the International Society of Oral Oncology (ISOO)

2017 Distinguished alumni, Southern Medical University, Guangzhou, China

2017 Protégée Award by the Friends of National Institute of Nursing Research (FNINR)

2017 Fellowship, National Cancer Institute (NCI)‐funded Transdisciplinary Research on

Energetics and Cancer (TREC) Training Workshop

2016 Nominated for the Presidential Early Career Award for Scientists and Engineers

(PECASE), US

2016 Oncology Nursing Society (ONS) Victoria Mock New Investigator Award

2013 Lawrence S. Bloomberg Faculty of Nursing Emerging Scholars Program, University of

Toronto, Toronto, Canada

2012 ONS Foundation/ONS Connections Conference Scholarship, US

2012 Sigma Theta Tau Alpha Epsilon Chapter Research Scholarship Award, Emory

University, US

2008 Travel Grant Award, Interdisciplinary Summer School, University of Basel, Switzerland

2007-2011 PhD Scholarship, University of Pennsylvania School of Nursing, Philadelphia, US

2008 First Place, 151 Project in Guangdong Province for Modern Education Technique in

Higher Education, Guangzhou, China

2007 Second Place, the 11th National Competition of Multimedia Software in Higher

Education, Beijing, China

2007 Fourth Place, the 11th National Competition of Multimedia Software in Higher

Education, Beijing, China

2006 First Place, Competition of Educational Media for Medicine in Guangdong Province,

Guangzhou, China

2005 Third Place, Academic Scholarship, Southern Medical University, Guangzhou, China

2005 Principal Teacher, Provincial Excellence Course in Guangdong Province, Guangzhou,

China

2005 Second Place, Outstanding Teaching Achievement, Southern Medical University,

Guangzhou, China

2005 Second Place, Excellent Teaching, Southern Medical University, Guangzhou, China

2003 Second Place, Outstanding Teaching Achievement, the First Military Medical University,

Guangzhou, China

2003 First Place, Excellent Teaching, the First Military Medical University, Guangzhou, China

**PROFESSIONAL POSITIONS**

2025- Professor (with tenure), Emory University School of Nursing, Atlanta, GA)

2020-2025 Associate Professor (with tenure), Emory University School of Nursing, Atlanta, GA

2019-2020 Associate Professor of Nursing and Psychiatry (with tenure), Yale University School of

Nursing, New Haven, CT

September- December Visiting Associate Professor, Yale University School of Nursing, New Haven, CT

2018

2015-2018 Assistant Professor, Emory University School of Nursing, Atlanta, GA

2014-2015 Assistant Professor (Research), Emory University School of Nursing, Atlanta, GA

2011-2013 Postdoctoral Fellow, Emory University School of Nursing, Atlanta, GA

2009-2011 Teaching Assistant, University of Pennsylvania School of Nursing, Philadelphia, PA

2007-2011 Research Assistant, University of Pennsylvania School of Nursing, Philadelphia, PA

2005-2007 Associate Professor, RN, Southern Medical University School of Nursing, Guangzhou,

China

2004-2005 Lecturer, Southern Medical University School of Nursing, Guangzhou, China

2000-2004 Lecturer, First Military Medical University School of Nursing, Guangzhou, China

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**SCHOLARSHIP: GRANTS AND OTHER FUNDING**

**Research Grants Under Review:**

P01: Aging-associated morbidities and health disparities among cancer survivors and their caregivers: an AI-guided, integrative approach (mPI: Xiao & Graetz & Hu)

**Role: Contact PI**

Submitted September 25, 2024 to NCI

U54: Personalized outreach and multifaceted interventions for screening equity for anal & cervical cancer prevention & treatment (mPI: Rosa-Cunha & Flowers & Lillard & Kobertz)

**Role: Project Lead & Co-Director of Developmental Research Program**

Submitted September 25, 2024 to NCI

R01: Technology-based dyadic intervention for improving symptom management and advancing health equity in patients with colorectal cancer and their caregivers (PI: Lin)

**Role: Co-investigator**

Submitted October 5, 2024 to NCI

R01: Comprehensive Metabolomic Profiling Integrated with Clinical Imaging to Elucidate Mechanisms of Cachexia and Survival in Head and Neck Cancer Patients (PI: Ronald Eldridge)

**Role: Co-Investigator**

Submitted June 2024 to NCI

**Research Grants Funded:**

Biological and social determinants of psychosocial sequelae in advanced head and neck cancer survivors receiving immunotherapy (mPI: Xiao & Fedirko)

**Role: Contact PI**

NIH NCI R01CA281873

8/19/2024-7/31/2029

$3,294,167

Screening strategies and social determinants of health among people with high risk of anal cancer (mPI: Flowers & Xiao & Rosa-Cunha)

**Role: mPI**

NIH NCI R01CA285198

$5,141,526

9/5/2023-3/31/2025

Emory Clinical Oncology Career Development Award K12 Program (mPI: Ramalingam & Dhodapkar)

**Role: Mentor**

NIH NCI K12 CA237806

2023-2025

Oral microbiome and periodontal diseases in oral HPV infection among people with HIV (mPI: Xiao & Flowers)

**Role: Contact PI**

NIH NIDCR R01DE032243

$3,930,416

8/11/2022-7/31/2027

The Role of the Gut Microbiome and Short Chain Fatty Acids in the Regulation of Inflammation and Neuropsychological Symptoms in Patients with Head and Neck Cancer (mPI: Xiao & Fedirko)

**Role: contact PI**

NIH NINR R01NR020188

$3,064,029

5/9/2022-2/28/2026

Post-Acute COVID Microbiome (PAC-M) Study (PI: Kraft)

**Role: Co-investigator**

CTSA Pilot Grant

$45,000

2022-2023

Progressing Towards Precision Medicine in Human Papillomavirus and Non-Human Papillomavirus Head and Neck Cancer Through High-Resolution Metabolomics (PI: Eldridge)

**Role: Advisory Committee**

Georgia CTSA KL2

8/1/2019-7/31/2021

Epigenetic Mechanisms of Inflammation and Fatigue in Head and Neck Cancer Patients (PI: Xiao)

**Role: PI**

NIH/NINR R01NR015783

$1,508,229

4/22/2016 – 9/31/2020

Gut Microbiome and Psychoneurological Symptoms in Head and Neck Cancer Patients (PI: Xiao)

**Role: PI**

Yale School of Nursing pilot grant

$5,900

1/1/2019-12/31/2019

SNP’s Association with Fatigue and Physical Activity in Head and Neck Cancer Patients: A Pilot Study for Inflammatory Mechanisms as Associated with HPV (PI: Xiao)

**Role: PI**

NRG Oncology NCORP and CPC Pilot Grant

$12,375

8/1/2017 – 7/31/2019

Fatigue in Head and Neck Cancer: Role of pro- and anti-inflammatory signaling (PI: Xiao)

**Role: PI**

NIH NINR K99/R00NR014587

$886,196

9/27/2013 – 6/30/2019

Does Progressive Home-Based Aerobic and Resistance Exercise Reduce Fatigue and Inflammation in Patients with Head and Neck Cancer Receiving IMRT: A Pilot Study (mPI: Xiao & Gary)

**Role: PI**

Emory University Research Committee (URC)

$30,000

5/1/ 2017 – 4/30/2018

Neurocognitive Impairment in Patients with Head and Neck Cancer Receiving IMRT

Emory University School of Nursing Center for Neurocognitive Studies (PI: Waldrop-Valverde)

**Role: Pilot PI**

P30 00056484

$10,000

2016-2017

Inflammation-Induced CNS Glutamate Alterations in Patients Undergoing Chemoradiation for Head and Neck Cancer (PI: Miller)

**Role: Co-Investigator**

2014 Winship Cancer Prevention & Control Pilot Project

$30,000

2014-2015

Fatigue and NF-kB Related Inflammatory Mediators in Patients with Head and Neck Cancer: A Pilot Study (PI: Xiao)

**Role: PI**

Oncology Nursing Society Foundation Research Grant

$25,000

1/15/2013-1/15/2015

Fatigue and NF-kB Related Inflammatory Mediators in Patients with Head and Neck Cancer Undergoing Chemoradiotherapy (PI: Xiao)

**Role: PI**

Sigma Theta Tau Alpha Epsilon Chapter Research Scholarship Award

$1000

2012-2013

The Comparison of Missing Data Handling Techniques on Factor Analysis (PI: Xiao)

**Role: PI**

University of Pennsylvania School of Nursing PhD Mentored Research Award

$5,000

7/1/2010-6/30/2011

Identifying Symptom Clusters in Patients with Head and Neck Cancer Post Radiation Therapy (PI: Xiao)

**Role: PI**

American Nurse Foundation

$5,000

2010-2011

**National Clinical Trials Cooperative Group (NRG Oncology) Protocols: Funded through NCI**

Joint, Randomized Phase III Study of Adjuvant Radiation Therapy with Cisplatin, Docetaxel-Cetuximab, or Cisplatin-Atezolizumab in High Risk Head and Neck Squamous Cell Carcinoma (mPI: Harari, Bauman, Rosenthal)

**Role: Co-investigator**

NRG RTOG1216

National Clinical Trials Cooperative Group (NRG Oncology) Protocols: Funded through NCI

2020-present

An Open-label, Phase III Study of Platinum-Gemcitabine with or without Nivolumab in the First-line Treatment of Recurrent or Metastatic Nasopharyngeal Carcinoma (PI: Ma)

**Role: Co-investigator**

NRG HN007

National Clinical Trials Cooperative Group (NRG Oncology) Protocols: Funded through NCI

2020-2021

A Randomized Phase II/III Trial of Reduced-Dose Reduced-Field Radiation Therapy Alone or in Combination with Chemotherapy or Immunotherapy for Patients with p16-Positive, Non-Smoking-Associated, Locoregionally Advanced Oropharyngeal Cancer (PI: Yom)

**Role: Co-investigator**

NRG HN005

National Clinical Trials Cooperative Group (NRG Oncology) Protocols: Funded through NCI

2019- present

Limited Stage Small Cell Lung Cancer: A Phase II/III Randomized Study of Chemoradiation Versus Chemoradiation Plus Atezolizumab (PI: Higgins)

**Role: Co-investigator**

NRG LU005

National Clinical Trials Cooperative Group (NRG Oncology) Protocols: Funded through NCI

2018-present

**Educational, Training, and Program Grants Funded:**

Building and Applying Subject-based Learning Website: Nursing History (PI: Xiao)

**Role: PI**

Guangdong Province Government Research Grant

7/1/2005-6/30/2006

Building and Applying Subject-based Learning Website: Breast Cancer (PI: Xiao)

**Role: PI**

Guangdong Province Government Research Grant

7/1/2004-6/30/2005

Teaching Reform Based on Online Resources for Fundamentals of Nursing (PI: Xiao)

**Role: PI**

Guangdong Province Government Research Grant

7/1/2003-6/30/2004

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**SCHOLARSHIP: PUBLICATIONS**

**Submitted** **(\*data-based; #student/trainee)**

**Peer-reviewed** **(\*data-based; #student/trainee)**

1. \*Withycombe JS, Bai J, **Xiao C**, Eldridge RC. Metabolomic Associations With Fatigue and Physical Function in Children With Cancer: A Pilot Study. Biol Res Nurs. 2025 Apr 19;:10998004251335639. doi: 10.1177/10998004251335639. [Epub ahead of print] PubMed PMID: 40251999.
2. \*Liu D, Hu X, **Xiao C**, Bai J, Barandouzi ZA, Lee S, Webster C, Brock LU, Lee L, Bold D, Lin Y. Evaluation of Large Language Models in Tailoring Educational Content for Cancer Survivors and Their Caregivers: Quality Analysis. JMIR Cancer. 2025 Apr 7;11:e67914. doi: 10.2196/67914. PubMed PMID: 40192716; PubMed Central PMCID: PMC11995809.
3. \***Xiao C**, Peng G, Conneely KN, Zhao H, Felger JC, Wommack EC, Higgins KA, Shin DM, Saba NF, Bruner DW, Miller AH. DNA methylation profiles of cancer-related fatigue associated with markers of inflammation and immunometabolism. Mol Psychiatry. 2025 Jan;30(1):76-83. doi: 10.1038/s41380-024-02652-z. Epub 2024 Jul 9. PubMed PMID: 38977918.
4. \*Epari A, Kim K, **Xiao C**, Porter LS, Alese OB, Northouse L, Liu D, Graetz I, Lin Y. Perceptions and Needs for a Technology-Based Dyadic Intervention on Symptom Management Among Patients With Colorectal Cancer and Their Caregivers: A Qualitative Study. Cancer Nurs. 2024 Nov 29;. doi: 10.1097/NCC.0000000000001429. [Epub ahead of print] PubMed PMID: 39625810.
5. Lin Y, **Xiao C**, Porter LS, Alese OB, Higgins MK, Liu DS, Bold D, Hu X. [Development of a Technology-Based Dyadic Intervention for Underserved Colorectal Cancer Patients and Caregivers.](https://www.ncbi.nlm.nih.gov/pubmed/39049398/) Stud Health Technol Inform. 2024 Jul 24;315:721-722. doi: 10.3233/SHTI240297. PubMed PMID: 39049398.
6. \*#Lin Y, Bailey DE, **Xiao C**, Hammer M, Paul SM, Cooper BA, Conley YP, Levine JD, Kober KM, Miaskowski C. Distinct Co-occurring Morning and Evening Fatigue Profiles in Patients with Gastrointestinal Cancers Receiving Chemotherapy. Cancer Nursing. 2024;47(1):E28-E37 PubMed PMID: 36076314.
7. \*# Lin Y, Peng G, Bruner DW, Miller AH, Saba NF, Higgins KA, Shin DM, Claussen H, Johnston HR, Houser MC, Wommack EC, **Xiao C**. [Associations of differentially expressed genes with psychoneurological symptoms in patients with head and neck cancer: A longitudinal study.](https://www.ncbi.nlm.nih.gov/pubmed/37832274/) J Psychosom Res. 2023 Dec;175:111518. doi: 10.1016/j.jpsychores.2023.111518. Epub 2023 Oct 10. PubMed PMID: 37832274; PubMed Central PMCID: PMC11789059.
8. \***Xiao C**, Fedirko V, Claussen H, Johnston HR, Peng G, Paul S, Maner-Smith KM, Higgins KA, Shin DM, Saba NF, Wommacke EC, Bruner DW, Miller AH. Circulating Short Chain Fatty Acids and Fatigue in Patients with Head and Neck Cancer: a longitudinal prospective study. BBI. 2023:113:432-443.
9. \*#Huang S, Zhan Y, Jeon S, Bruner DW, Miller AH, Felger JC, Wommack EC, Saba NF, Higgins KA, Irwin M, Gary RA, **Xiao C**. Longitudinal Association Among Physical Activity, Inflammatory Markers, and Quality of Life in Patients with Head and Neck Cancer. Head and Neck. 2023 Aug;45(8):1952-1966.
10. \*Eldridge RC, Qin ZS, Saba NF, Houser M. Hayes N, Miller AH, Bruner DW, Jones DP, **Xiao C**. Unsupervised Hierarchical Clustering of Head and Neck Cancer Patients by Pre-Treatment Plasma Metabolomics Creates Prognostic Metabolic Subtypes. Cancers (Basel). 2023 Jun 14;15(12):3184.
11. \*#Amirkhanzadeh Barandouzi Z, Bruner DW, Miller AH, Paul S, Felger JC, Wommack EC, Higgins KA, Shin DM, Saba NF, **Xiao C**. Associations of Inflammation with Neuropsychological Symptom Cluster in Patients with Head and Neck Cancer: A Longitudinal Study. BBI-Health. 2023 Jun 4:30:100649.
12. \*#Sheikh-Wu SF, Anglade D, Gattamorta K, **Xiao C**, Downs CA. The Relationship between Colorectal Cancer Survivors' Positive Psychology, Symptom Characteristics, and Prior Trauma during Acute Cancer Survivorship. Oncology Nursing Forum, 2023, 50(1), 115-127.
13. \*#Lin Y, Porter LS, Chee W, Alese OB, Curseen KA, Higgins MK, Northouse L, **Xiao C**. A Web-Based Dyadic Intervention to Manage Psychoneurological Symptoms for Patients With Colorectal Cancer and Their Caregivers: Protocol for a Mixed Methods Study. JMIR Res Protoc. 2023 Jun 28;12:e48499. doi: 10.2196/48499. PMID: 37379055.
14. \*#Lin Y, Bruner DW, Paul S, Miller AH, Saba NF, Higgins KA, Shin DM, Zhang W, Miaskowski C, **Xiao C**. A network analysis of self-reported psychoneurological symptoms in patients with head and neck cancer undergoing intensity-modulated radiotherapy. Cancer, 2022 Oct;128(20):3734-3743. PubMed PMID: 35969226; PubMed Central PMCID: PMC9529994.
15. \*Qian DC, Ulrich BC, Peng G, Zhao H, Conneely KN, Miller AH, Bruner DW, Eldridge RC, Wommack EC, Higgins KA, Shin DM, Saba NF, Smith AK, Burtness B, Park HS, Stokes WA, Beitler JJ, **Xiao C**. Outcomes stratification of head and neck cancer using pre- and post-treatment DNA methylation from peripheral blood. International Journal of Radiation Oncology • Biology • Physics. 2023 Apr 1;115(5):1217-1228.
16. \*#Sheikh-Wu SF, Anglade D, Gattamorta KA, **Xiao C**, Downs CA. Symptom Occurrence, Frequency, and Severity During Acute Colorectal Cancer Survivorship. Oncol Nurs Forum. 2022 Aug 18;49(5):421-431. doi: 10.1188/22.ONF.421-431. PubMed PMID: 36067242.
17. \*#Sheikh-Wu SF, Anglade D, Gattamorta K, **Xiao C**, Downs CA. Positive Psychology Mediates the Relationship Between Symptom Frequency and Quality of Life among Colorectal Cancer Survivors during Acute Cancer Survivorship. European Journal of Oncology Nursing. 2022 Jun;58:102136. doi: 10.1016/j.ejon.2022.102136. Epub 2022 Mar 28. PubMed PMID: 35378393.
18. \*Dhere VR, Escott CE, Switchenko JM, Bell JP, McDonald MW, Stokes WA, Hess CB, Magliocca KR, Boyce BJ, Kaka AS, Saba NF, Steuer CE, Shin DM, **Xiao C**, Ottenstein L, Patel MR, Beitler JJ. Omission of Intentional Op-Bed Radiation the Omission of Intentional Primary Site Radiation Following Transoral Robotic Surgery (TORS) in 59 Patients: No Local-Regional Failures. Head and Neck Cancer. 2022; 44(2):382-390.
19. \*#Eldridge RC, Uppal K, Hayes N, Smith R, Hu X, Qin Z, Beitler J, Miller AH, Wommack EC, Higgins KA, Shin DM, Ulrich B, Qian DC, Saba NF, Bruner DW, Jones DP, **Xiao C**. Plasma Metabolic Phenotypes of HPV-Associated versus Smoking-Associated Head and Neck Cancer and Patient Survival. Cancer Epidemiology, Biomarkers & Prevention. 2021; 30(10):1858-1866.
20. \*Williamson LR, Effinger KE, Wasilewski-Masker K, Mertens A, **Xiao C**. Self-Reported Late Effect Symptom Clusters Among Young Pediatric Cancer Survivors. Supportive care in cancer. 2021; 29(12):8077-8087.
21. \***Xiao C**, Miller AH, Peng G, Levine M, Conneely KN, Zhao H, Eldridge RC, Wommack EC, Chico CE, Jeon S, Higgins KA, Shin DM, Saba NF, Smith AK, Burtness B, Park HS, Irwin ML, Ferrucci LM, Ulrich B, Qian DC, Beitler JJ, Bruner DW. Association of epigenetic age acceleration with risk factors, survival, and quality of life in patients with head and neck cancer. International Journal of Radiation Oncology • Biology • Physics. 2021; 111(1):157-167.
22. \*Zou Z, Bai J; Gu Y; Zou Q; **Xiao C**; Yang J; Lazenby M. Cultural adaptation and psychometric evaluation of the Chinese version of the nurse-specific End-of-Life Professional Caregiver Survey: A cross-sectional study. BMC Palliative Care 2021; 20, 32.
23. \***Xiao C**, Beitler JJ, Peng G, Levine M, Conneely KN, Zhao H, Felger JC, Wommack EC, Chico CE, Jeon S, Higgins KA, Shin DM, Saba NF, Burtness B, Bruner DW, Miller AH. Epigenetic Age Acceleration, Inflammation, and Cancer-Related Fatigue: A Longitudinal Study of Head and Neck Cancer Patients. Cancer 2021; 127(18):3361-3371.
24. \***Xiao C**, Fedirko V, Beitler JJ, Bai J, Peng G, Zhou C, Gu J, Zhao H, Lin IH, Chico CE, Jeon S, Knobf TM, Conneely KN, Higgins KA, Shin DM, Saba NF, Miller AH, Bruner DW. The Role of the Gut Microbiome in Cancer-Related Fatigue: Pilot Study on Epigenetic Mechanisms. Supportive care in cancer. 2021 Jun;29(6):3173-3182. PMID: 33078326.
25. **Xiao C**, Hurst N, Morsas B. The State of the Science in Patient-Reported Outcomes for Patients with Lung Cancer. Issue on “Lung Cancer: Advances in Diagnosis and Management.” Semin Respir Crit Care Med. 2020;00:1–9 (invited review).
26. \*Bai J, Bruner DW, Fedirko V, Beitler J, Zhou C, Gu J, Zhao H, Lin I, Chico CE, Higgins K, Shin DM, Saba N, Miller A, **Xiao C**. Gut Microbiome Associated with the Psychoneurological Symptom Cluster in Patients with Head and Neck Cancers with Radiation Therapy. Cancers 2020; 12(9):2531. PMCID: PMC7563252
27. \***Xiao C**, Beitler JJ, Higgins KA, Chico CE, Withycombe JS, Zhu Y, Zhao H, Lin IH, Li F, Jeon S, Irwin M, Bruner DW, Miller AH, Gary R. Pilot Study of Combined Aerobic and Resistance Exercise on Fatigue for Patients with Head and Neck Cancer: Inflammatory and Epigenetic Changes. Brain, Behavior, and Immunology 2020; 88:184-192.
28. \***Xiao C**, Eldridge RC, Beitler JJ, Higgins KA, Chico CE, Felger JC, Wommack EC, Knobf T, Saba NF, Shin DM, Bruner DW, Miller AH. Association among glucocorticoid receptor sensitivity, fatigue, and inflammation in patients with head and neck cancer. Psychosomatic Medicine 2020; 82(5):508-516.
29. \*#Eldridge RC, Pugh SL, Trotti A, Hu K, Spencer SA, Yom S, Rosenthal D, Read N, Desai A, Gore E, Shenouda G, Mishra MV, Bruner D, **Xiao C**. Changing Functional Status within Six Months Post-treatment is Prognostic of Overall Survival in Head and Neck Cancer Patients: an NRG Oncology Study. Head and Neck Cancer 2019; 41(11): 3924-3932. PMCID: PMC6865821
30. \*Beitler JJ, Switchenko JM, Dignam J, McDonald MW, Shin DM, Magliocca KR, El-Deiry MW, Patel MR, Steuer C, **Xiao C**, Rhyner P, Aiken A, Curran WJ, Le Q. Smoking, Age, Nodal Disease, T-Stage, P16 Status and Risk of Distant Metastases in Patients with Squamous Cell Cancer of the Oropharynx. Cancer. 2019; 125(5): 704-711. PMCID: PMC6463275
31. \***Xiao C**, Dai T, Hanlon A, Guo Y, Bruner DW. Comparison of Missing Data Imputation Techniques in Factor Analysis. Journal of Nursing Measurement. 2019; 27(2): 313-334
32. \***Xiao C**, Beitler JJ, Higgins KA, Wommack EC, Saba NF, Shin DM, Bruner DW, Miller AH, Cole S. Differential regulation of NF-kB and IRF target genes as they relate to fatigue in patients with head and neck cancer. Brain, Behavior, and Immunology. 2018 Nov;74:291-295. PMCID: PMC6289813
33. \***Xiao C**, Moughan J, Movsas B, Konski AA, Hanks GE, Cox JD, Roach III M, Zeitzer KL, Lawton CA, Peters CA, Rosenthal SA, Hsu CJ, Horwitz EM, Mishra MV, Michalski JM, Parliament MB, D'Souza DP, Pugh SL, Bruner DW. Risk Factors for Late Bowel and Bladder Toxicities in NRG Oncology Prostate Cancer Trials of High Risk Patients: A Meta-analysis of Physician Rated Toxicities. Advances in Radiation Oncology. 2018;3(3):405-411. PMCID: PMC6128023
34. \***Xiao C**, Beitler J, Higgins K, Glazer T, Huynh LK, Paul S, Felger J, Wommack EC, Saba NF, Shin DM, Burner DW, Miller A. Associations among HPV, inflammation, and fatigue in head and neck cancer patients. Cancer 2018;124(15):3163-3170. PMCID: PMC6097898
35. \*Ferris MJ, Zhong J, Switchenko JM, Higgins KA, Cassidy RJ 3rd, McDonald MW, Eaton BR, Patel KR, Steuer CE, Baddour HM Jr, Miller AH, Bruner DW, **Xiao C**, Beitler JJ. Brainstem dose is associated with patient-reported acute fatigue in head and neck cancer radiation therapy. Radiother Oncol. 2018; 126(1):100-106. PMCID: PMC5841457
36. \***Xiao C**, Miller A, Felger J, Mister D, Liu T, Torres M. Depressive symptoms and inflammation are independent risk factors of fatigue in breast cancer survivors. Psychological Medicine. 2017; 47(10):1733-1743. PMID: 28193310
37. #Wang T, Yin J, Miller A, **Xiao C**. A systematic review of the association between fatigue and genetic polymorphisms. Brain, Behavior, and Immunology.2017; 62:230-244. PMCID: PMC5947855
38. Miaskowski C, Barsevick A, Berger A, Casagrande R, Grady P, Jacobsen P, Kutner J, Patrick D, Zimmerman L, **Xiao C**, Matocha M, Marden S. Advancing Symptom Science Through Symptom Cluster Research: Expert Panel Proceedings and Recommendations. Journal of the National Cancer Institute. 2017; 109(4): djw253. PMCID: PMC5939621
39. \***Xiao C**, Zhang Q, Nguyen-Tân PF, List M, Weber RS, Ang KK (Deceased), Rosenthal R, Filion EJ, Kim H, Silverman C, Raben A, Galloway T, Fortin A, Gore E, Winquist E, Jones CU, Robinson W, Raben D, Le QT, Bruner DW. (2017) Quality of life in a prospective phase III randomized trial of concurrent standard radiation vs. accelerated radiation plus cisplatin for locally advanced head and neck carcinoma: NRG Oncology RTOG 0129. International Journal of Radiation Oncology • Biology • Physics2017 Mar 15;97(4):667-677. PMCID: PMC5266672
40. \***Xiao C**, Miller AH, Felger J, Mister D, Liu T, Torres M. (2016) A Prospective Study of Quality of Life in Breast Cancer Patients Undergoing Radiotherapy. Advances in Radiation Oncology. 1:10-16. PMCID: PMC4950982
41. \***Xiao C**, Beitler J, Higgins K, Conneely K, Dwivedi B, Felger J, Wommack EC, Shin DM, Saba NF, Ong L, Kowalski J, Burner DW, Miller A. (2016) Fatigue is Associated with Inflammation in Patients with Head and Neck Cancer Before and After Intensity-Modulated Radiation Therapy. Brain, Behavior, and Immunology. 52:145-152. PMCID: PMC4867228
42. \*Bruner DW, Hunt D, Michalski J, Bosch W, Galvin J, Amin M, **Xiao C**, Bahary J, Patel M, Chafe S, Rodrigues G, Lau H, Duclos M, Baikadi M, Deshmukh S, Sandler H. (2015) Preliminary Patient Reported Outcomes Analysis of 3DCRT v Therapy Oncology Group (RTOG) 0126 Prostate Cancer Trial. Cancer. 121(14):2422-30. PMCID: PMC4490066
43. \***Xiao C**, Hanlon A, Zhang Q, Movsas B, Ang K, Rosenthal DI, Nguyen-Tan PF, Kim H, Le Q, Burner DW. (2014). Risk Factors for Clinician-Reported Symptom Clusters in Patients with Advanced Head and Neck Cancer in a Phase III Randomized Clinical Trial: RTOG 0129. Cancer. 120(6):848-854. PMCID: PMC3947661
44. **Xiao C**, Bruner DW, Jennings BM, Hanlon AL. (2014) Methods for Examining Cancer Symptom Clusters Over Time. Research in Nursing & Health. 37(1):65-74. PMID: 24414939
45. \***Xiao C**, Hanlon A, Zhang Q, Ang K, Rosenthal DI, Nguyen-Tan PF, Kim H, Movsas B, Burner DW. (2013). Symptom clusters in patients with head and neck cancer receiving concurrent chemoradiotherapy. Oral Oncology. 49(4):360-366. PMCID: PMC3924732
46. **Xiao C**, Polomano R. Bruner DW. (2013). Comparison between Patient-reported and Clinician-observed Symptoms in Oncology. Cancer Nursing. 36(6): E1-E16. PMID: 23047799
47. \*Fachko MJ, **Xiao C**, Bowles KH, Robinson KM, Libonati, JR. (2013). Cardiovascular Effects and Enjoyment of Exer-Gaming in Older Adults. J Gerontol Nurs, 39(12): 43-54. PMID: 23855328.
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62. \*Xu X, **Xiao C**, Zhang S, Hu M. (2006). Study on nurses’ job stress and copying style in the cadre wards of military hospitals. Journal of Nursing Administration, 6(8): 15-16.
63. \*Zhou H, Li Y, Zhou C, Xiang F, **Xiao C**. (2005). Status quo of investigations on community rehabilitation and prevention of cerebral apoplexy patients with sequela. Chinese Nursing Research, 19(16): 1419-1421.
64. Yang X, Zhai H, Wang H, **Xiao C**, Wang X, Zeng Y. (2005). Research progress in the evaluation of clinical nursing specialists. Chinese Nursing Research, 19(1): 7-10.
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66. Yang L, Wang H, **Xiao C**. (2005). Establishing subject-based learning website for Breast Cancer. Chinese Journal of Nursing, 40(12): 924-925.
67. \***Xiao C**, Lu A, Luo C. (2005). Online teaching research for Pressure Ulcer. Chinese Journal of Nursing, 40(8): 614-616.
68. \*Lu A, **Xiao C**, Luo C, Huang Z. (2005). The effect of internet resources on classroom teaching in Fundamentals of Nursing. Nanfang Journal of Nursing, 12(8): 78-80.
69. \***Xiao C**, Wang H. (2005). The impact of social support and coping styles on the mood of post-operative breast cancer patients. Nanfang Journal of Nursing, 12(5): 80-82.
70. **Xiao C**, Wang H. (2005). The effects of psychological intervention on emotion and immunity for patients with breast cancer (review). Chinese Mental Health Journal, 19(10): 691-693.
71. **Xiao C**, Wang H. (2004). Developing and using psychological stress animal models. Nanfang Journal of Nursing, 11(7): 72-74.
72. Lu A, **Xiao C**. (2004). Building a teaching resource bank for “Fundamentals of Nursing”. Chinese Journal of Nursing, 39(3): 208-209.
73. \*Zhou K. **Xiao C**, Luo C, Lu A. (2004). A practice and discussion of bilingual teaching on “Nursing Basic”. Nanfang Journal of Nursing, 11(4): 52-54.
74. \*Zhou K, Luo C, **Xiao C**, Shi L. (2004). Attempt to bilingual teaching in Fundamental Nursing. Journal of Nursing Science, 19(21): 59-61.
75. **Xiao C**, Huang Z. (2004). The value of teachers in using modern teaching techniques for “Fundamentals of Nursing”. Chinese Nursing Research, 18(10A): 1773-1774.
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78. \***Xiao C**, Lu A, Zhou K. (2002). The effect of using video multimedia instruction on skill training of “Fundamental Nursing” in a large classroom. Journal of Nurses Training, 17(9): 654-656.
79. **Xiao C**, Liu J. (2002). The urgency of cultivating critical thinking in nursing education in China. Chinese Journal of Nursing, 37(4): 304-306.
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81. \***Xiao C**, Guo A. (2001). The health education needs for the relatives of patients with PTCA. Chinese Journal of Nursing, 36(7): 543-545.
82. **Xiao C**, Lu A. (1999). Discussion on the cultivation of aesthetic feeling in secondary education of nursing. Chinese Journal of Nursing, 34(6): 357-359.

**Books/Chapters**

Quan J, Miller AH, Kim G, **Xiao C**, (2024). ‘Fatigue and Short Chain Fatty Acids’ in Preedy V.R. (ed.) The Scientific Basis Of Fatigue. Elsevier publisher (submitted Sep. 2024).

**Xiao C**, Torres M. (2019). ‘Cancer-related fatigue’ in Wright J.L. (ed.) Toxicities of Radiation Treatment for Breast Cancer - Risks and Management Strategies. Springer publisher. ISBN 978-3-030-11619-4

Zhou K, **Xiao C**, Luo C, Shi L. (2006) Basic Nursing Skills (Bilingual: Chinese and English). Science publisher.

**SCHOLARSHIP: PRESENTATIONS**

**Invited Presentations**

**International:**

1. **Xiao C.** Epigenetic Age, Inflammation, and Fatigue in Cancer Patients. West China-Yale Nursing Development Online Conference, July 2020.
2. **Xiao C.** Symptom clusters in patients with head and neck cancer receiving concurrent chemoradiotherapy. Lawrence S. Bloomberg Faculty of Nursing Emerging Scholars Forum, University of Toronto, Toronto, Canada, November 2013.

**National:**

1. **Xiao C.** Cancer related fatigue and inflammation: a multiomics approach. UT Health San Antonio School of Nursing, February 2023.
2. **Xiao C.** Violence and Xenophobia. National Coalition of Ethnic Minority Nurse Associations, 2020.
3. **Xiao C.** Cancer-Related Fatigue and Inflammation: The Omics Approach. Scientific colloquium: Sleep, Chronic Fatigue and Autoimmune Disease, American Autoimmune Related Disease Association, Washington DC, April 2018.
4. **Xiao C.** Fatigue and Inflammation in Patients with Head and Neck Cancer. Nanfang Hospital, Guangzhou, China, July 2017.
5. **Xiao C.** Fatigue and Inflammation in Patients with Head and Neck Cancer. Southern Medical University, Guangzhou, China, July 2017.

**Regional:**

1. **Xiao C.** Aging-associated Morbidities and Health Disparities among Cancer Survivors and Caregivers: an AI-guided, Integrative Approach. Winship Cancer Prevention and Control Research Program Retreat. Emory University Winship Cancer Institute, January 2024.
2. **Xiao C.** Microbiome, inflammation, and neuropsychological symptoms in cancer patients. Cell and Molecular Biology Retreat “Boosting Team Science and Maximizing Impact.” Emory University Winship Cancer Institute, June 2023.
3. **Xiao C.** Cancer-Related Fatigue and Inflammation. Yale University Smilow Cancer Center Cancer Prevention and Control group, September 2019.
4. **Xiao C.** Fatigue and Inflammation in Patient with Head and Neck Cancer: The Omics Approach. Emory School of Nursing Research Roundtable, October 4, 2016.
5. **Xiao C.** Fatigue and Inflammation in Patient with Head and Neck Cancer. Emory School of Medicine Department of Radiation Oncology, August 10, 2016.
6. **Xiao C.** Fatigue and Inflammation in Patient with Head and Neck Cancer. Emory Winship Cancer Institute Cancer Prevention and Control group, February 19, 2015.
7. **Xiao C.** Treatment-related symptoms and symptom clusters in patients with head and neck cancer. Emory University Department of Otolaryngology Grand Rounds. Atlanta, GA, March 2013.

**Oral Presentation (\*data-based; #student/trainee)**

**International**

1. \*#Kim G, Marchak J.G., Effinger K.E., Higgins M, **Xiao C**. The impact of social determinants and neuropsychological factors on healthcare transition readiness among adolescent and young adult childhood cancer survivors. AACR 2024 Annual Meeting. Accepted as a Short-Talk selected by Conference Co-Chairs.
2. \*#Lin Y, Peng G, Bruner DW, Miller AH, Saba N.F., & **Xiao C**. Differentially expressed genes and pathways related to psychoneurological symptoms in patients with head and neck cancer undergoing radiotherapy. Podium presentation at the 48th Oncology Nursing Society Annual Congress, San Antonio, Tx, April 26-30, 2023.
3. \***Xiao C**, Peng G, Conneely KN, Zhao H, Felger J, Wommack EC, Higgins K, Shin DM, Saba NF, Bruner DW, Miller AH. DNA methylation profiles of cancer-related fatigue associated with markers of inflammation and immunometabolism. Accepted as oral proffered paper for the MASCC/JASCC/ISOO 2023 Annual Meeting
4. \***Xiao C**, Peng G, Conneely KN, Wommack EC, Saba NF, Bruner DW, Miller AH. Epigenetic age acceleration and neuropsychological symptoms among patients with head and neck cancer. The American psychosomatic society (APS) annual conference. Symposium presentation. March 2023.
5. \***Xiao C**, Fedirko V, Hartman T, Paul S, Higgins K, Shin DM, Saba NF, Miller AH, Bruner DW. Association Between Short Chain Fatty Acids and Neuropsychological Symptoms in Patients with Head and Neck Cancer. The AAPINA 2021 annual conference. Symposium presentation. Virtual, October 2021
6. \*#Zahra A. Barandouzi ZA, Bruner DW, Miller AH, Beitler JJ, Higgins KA, Paul S, Felger JC, Saba NF, Shin DM, **Xiao C**. Inflammatory Markers Associations with Neuropsychological Symptom Cluster in Head and Neck Cancer Patients. The AAPINA 2021 annual conference. Symposium presentation. Virtual, October 2021
7. \*Qian D, Ulrich B, Peng G, Zhao H, Conneely K, Miller AH, Bruner DW, Eldridge R, Wommack E, Higgins K, Shin D, Saba N, Smith A, Burtness B, Park H, Stokes W, Beitler JJ, **Xiao C**. Outcomes stratification of head and neck cancer using pre- and post-treatment DNA methylation in peripheral blood. ASTRO's 63rd Annual Meeting. October 2021
8. \***Xiao C**, Eldridge RC, Beitler JJ, Higgins KA, Cynthia CE, Withycombe JS, Wommack EC, Felger J, Knobf TM, Miller AH, Bruner DW. Latent class analysis of fatigue and its association with quality of life and inflammation in patients with head and neck cancer who have undergone definitive radiation. The ISOQOL 26th annual conference. San Diego, CA. October 2019
9. \***Xiao C**, Eldridge RC, Beitler JJ, Higgins KA, Felger J, Wommack EC, Saba NF, Shin DM, Bruner DW, Miller AH. The association between glucocorticoid receptor sensitivity and fatigue in patients with head and neck cancer. Accepted as a Proffered Paper at the Multinational Association of Supportive Care in Cancer (MASCC) and the International Society of Oral Oncology (ISOO). Vienna, Austria, June 2018.
10. \***Xiao C**, Smith A, Conneely K, Beitler JJ, Higgins KA, Wommack EC, Shin DM, Saba NF, Bruner DW, Miller AH. Epigenetic Mechanisms of Inflammation and Fatigue in Patients with Cancer. Accepted as a symposium at the Sigma Theta Tau International’s 29th International Nursing Research Congress. Melbourne, Australia, July 2018.
11. \***Xiao C**, Beitler JJ, Higgins KA, Saba NF, Huynh LK, Glazer T, Paul S, Shin DM, Miller AH, Bruner DW. HPV status is associated with fatigue at one-year post IMRT for patients with head and neck cancer. The International Society for Quality of Life Research (ISOQOL). Philadelphia, PA, October 2017.
12. \***Xiao C**, Miller A, Felger J, Mister D, Liu T, Torres M. Depression and inflammation are independent predictors of fatigue in breast cancer survivors. Psychoneuroimmunology Research Society. Brighton, England, June 2016.
13. \***Xiao C**, Hanlon A, Zhang Q, Ang K, Rosenthal DI, Nguyen-Tan PF, Kim H, Movsas B, Burner DW. Identifying clinician reported symptom clusters in patient with head and neck cancer post combined chemoradiation therapy. ONS the Connections: Advancing Care through Science Conference. Phoenix, AZ, November 2012.
14. \*Small W, Lin L, Strauss J, **Xiao C**, Bruner DW. Vaginal Length after Vaginal Brachytherapy for Endometrial Cancer. Oral Abstract Presented at the World Meeting on Sexual Medicine, Chicago, Il, Aug 26-30, 2012.

**Regional**

1. \*Eldridge RC, Saba NF, Beitler JJ, Wommack EC, Higgins KA, Shin DM, Miller AH, Bruner DW, **Xiao C**. Plasma metabolome-wide association study of patient reported fatigue in head and neck squamous cell carcinoma. Summer Institute on Symptoms and Omics Conference. 2021. Virtual.

**Poster Presentation (\*data-based; #student/trainee)**

**International:**

1. \*#Lin, Y., Graetz, I., Porter, L. S., Alese, O. B., Higgins, M. K., Northouse, L., Liu, D., Bold, D., Hu, X., & **Xiao, C.** Feasibility of a web-based dyadic intervention for symptom management among patients with colorectal cancer and their caregivers. Poster presentation at the Multinational Association of Supportive Care in Cancer Annual Meeting, Lille, France, June 27-29, 2024.
2. \*Liu, D., Hu, Xiao., **Xiao, C.,** Bai, J., Barandouzi, Z.A., Lee, S., Webster, C., La-Urshalar, B., Lee, L., Bold, D., & Lin, Y. Evaluation of large language models in tailoring educational content for underserved cancer survivors and their caregivers. Poster presentation at the Multinational Association of Supportive Care in Cancer Annual Meeting, Lille, France, June 27-29, 2024.
3. \*#Lin, Y., **Xiao, C.,** Porter, L.S., Alese, O.B., Higgins, M.K., Liu, S., Bold, D., & Hu, X. Development of a technology-based dyadic intervention for underserved colorectal cancer patients and caregivers. Poster presentation at the Nursing Informatics Congress, Manchester, UK, July 28-31, 2024.
4. \*#Lin, Y., Kim, K., Porter, L.S., Alese, O.A., Ilana, G., & **Xiao, C.** Perceptions and needs for a web-based dyadic intervention to manage psychoneurological symptoms in patients with colorectal cancer and their caregivers: A qualitative study. Poser presentation at the 49th Oncology Nursing Society Annual Congress, Washington, DC, April 24-27, 2024.
5. \*#Lin, Y., Spikes, T., Bruner, D.W., Paul, S., Miller, A. H., Conneely, K.N., Saba, N.F., & **Xiao, C.** Associations of biological aging with perceived stress in patients with head and neck cancer: A longitudinal study. Poster presentation at the American Association for Cancer Research Annual Meeting, San Diego, CA, April 5-10, 2024.
6. \*#Lin, Y., Spikes, T., Bruner, D.W., Miller, A. H., Saba, N.F., Higgins, K.A., Shin, D.M., & **Xiao, C.** Inflammation is associated with psychosocial stress in patients with head and neck cancer undergoing radiotherapy: A longitudinal study. Poster presentation at the Multinational Association of Supportive Care in Cancer/the International Society of Oral Oncology Annual Meeting, Nara, Japan, June 22-24, 2023.
7. \*#Lin Y, Peng G, Bruner DW, Houser M, Miller AH, Saba NF, Higgins, KA, Shin DM, **Xiao C**. Differentially Expressed Genes Related to Neuropsychological Symptoms in Patients with Head and Neck Cancer at One-Year Post-Radiotherapy. Multinational Association of Supportive Care in Cancer (MASCC) and the International Society of Oral Oncology (ISOO). Virtual. June 2022.
8. \*#Lin Y, Bruner DW, Paul S, Miller AH, Saba NF, Higgins KA, Shin DM, Zhang W, Miaskowski C, **Xiao C**. Neuropsychological Symptoms in Patients with Head and Neck Cancer Undergoing Radiation Therapy: A Network Analysis. AACR Annual Conference. New Orleans. April 2022.
9. \*#Lin, Y., Bailey, D.E., **Xiao C**., Cooper B.A., Miaskowski, C. Distinct co-occurring morning and evening fatigue profiles in patients with gastrointestinal cancers receiving chemotherapy. Podium presentation at the Asian American / Pacific Islander Nurses Association International Nursing Research Virtual Conference, November 29-30, 2021.
10. \***Xiao C**, Ye Y, Miller AH, Higgins KA, Saba NF, Zhao H, Gary R, Withycombe JS, Wommack EC, Felger J, Bruner DW. SNP’s association with fatigue and physical activity in head and neck cancer patients: a pilot study for inflammatory mechanisms. The ISOQOL 28th Annual Conference. Virtual. October 2021
11. \*Barandouzi ZA, Fedirko V, Beitler JJ, Bai J, Saba NF, Miller AH, Bruner DW, **Xiao C**. A Pilot Study of Associations of Depressive Symptoms with the gut Microbiome in Patients with Head and Neck Cancer. E-poster presentation at World Microbe Forum, June 20 - 24, 2021
12. \*Eldridge RC, Bai J, Castellino SM, **Xiao C**, Withycombe J. Fatty acid and amino acid metabolic pathways are linked to psychoneurological symptoms (i.e., pain, fatigue, anxiety, depression) in children with cancer. Metabolomics Association of North America conference. 2020
13. \*Eldridge RC, Uppal K, Beitler J, Higgins K, Wommack EC, Shin DM, Saba NF, Miller AH, Bruner DW, **Xiao C**. Metabolic differences between smoking-associated and human papillomavirus-associated head and neck cancer independently predicts overall patient survival. AACR. 2020
14. Ross H, Hu C, Higgins K, Jabbour S, Kozono D, Owonikoko T, Movsas B, **Xiao C**, Solberg T, Williams T, Simko J, Wang X, Stinchcombe T, Bradley J. NRG Oncology/Alliance LU005: A Phase II/III Randomized Clinical Trial of Chemoradiation Versus Chemoradiation Plus Atezolizumab in Limited Stage Small Cell Lung Cancer. ASCO Virtual. May 2020
15. \*Higgins K, Hu C, Ross H, Jabbour S, Kozono D, Owonikoko T, Movsas B, **Xiao C**, Solberg T, Williams T, Simko J, Wang X, Stinchcombe T, Bradley J. NRG Oncology/Alliance LU005: A Phase II/III Randomized Study of Chemoradiation Versus Chemoradiation Plus Atezolizumab in LS-SCLC. World Conference on Lung Cancer. Barcelona, Spain. September 2019
16. \***Xiao C**, Beitler JJ, Higgins KA, Zhu Y, Zhao H, Bruner DW, Miller AH, Gary R. Pilot Study of Combined Aerobic and Resistance Exercise on Fatigue for Patients with Head and Neck Cancer: Inflammatory and Epigenetic Changes. The 26th PNIRS annual conference. Berlin, Germany. June 2019
17. \*Bauman JE, Torres-Saavedra PA, Harari PM, Rosenthal DI, Yao M, Hristov D, Chen J, Ferrarotto R, Myers J, Divi V, Ferris RL, Karam SD, Jordan RC, Truong MT, **Xiao C**, Le QT. NRG Oncology RTOG 1216: Joint, Randomized Phase III Study of Adjuvant Radiation Therapy (RT) with Cisplatin, Docetaxel-Cetuximab, or Cisplatin-Atezolizumab in High Risk Head and Neck Squamous Cell Carcinoma (HNSCC). 2019 ASCO
18. #\*Eldridge RC, Flanders WD, Adler C, Bruner DW, **Xiao C**. Are We Underestimating Cancer Mortality?: A Mediation Model Reveals a Larger Impact from Smoking. Atlanta, GA. 2019 AACR.
19. \***Xiao C**, Eldridge RC, Higgins KA, Saba NF, Shin DM, Miller AH, Bruner DW, Beitler JJ. Latent class analysis of fatigue in patients with head and neck cancer. The ISOQOL 25th Annual Conference. Dublin, Ireland. October 2018.
20. \*Ferris M, Switchenko J, **Xiao C**, McDonald M, Eaton B, Higgins K, Press R, Tian S, Steuer C, Baddour H, Miller AH, Bruner DW, Beitler JJ. Medulla Dose is Positively Associated with Sensation of Thirst & Midbrain Dose is Inversely Associated with Pain: Prospectively-Collected Patient-Reported Toxicities and Brainstem Dose in Head and Neck Cancer Radiation Therapy. ASTRO. San Antonio, TX. October 2018.
21. \*Lewis WR, Effinger KE. Wasilewski-Masker K, Mertens A, **Xiao C**. Self-reported late effect symptom clusters among pediatric cancer survivors. Society of Epidemiological Research. Baltimore, MD. June 2018.
22. #\*Eldridge RC, Miller AH, Bruner DW, Beitler JJ, Higgins KA, Wommack EC, Huynh L, Saba NF, Shin DM, **Xiao C.** Predicting fatigue levels of head and neck cancer patients with gene expression using machine learning. AACR. Chicago IL. April 2018.
23. \*Higgins KA, Saba NF, Shin DM, Beitler JJ, Chen G, **Xiao C**, Wang D, Tang S, Wang Y. Circulating Pre-treatment miRNAs as Potential Biomarkers to Predict Radiation Toxicity. 59th ASTRO. San Diego, CA. September 2017.
24. \*Torres M, Miller AH, **Xiao C**, Lin J, Godette KD, Kahn ST, Han T, Mister D, Henry S, Yang X, Liu T. A Prospective Longitudinal Study of Radiation Therapy Induced Skin Toxicity and Long-term Fatigue in Breast Cancer Patients. 59th ASTRO. San Diego, CA. September 2017.
25. \***Xiao C**, Beitler JJ, Higgins KA, Glazer T, Huynh LK, Paul S, Wommack EC, Nabil F. Saba NF, Shin DM, Bruner DW, Miller AH. HPV status is associated with fatigue and inflammation in patients with squamous cell carcinoma of the Head and Neck from pre to up to 3 Months Post. Psychoneuroimmunology Research Society. Galveston, TA, June 2017.
26. \***Xiao C**, Beitler JJ, Higgins KA, Nabil F. Saba NF, Shin DM, Glazer T, Kowalski J, Miller AH, Bruner DW. Risk factors for fatigue changes during acute phase of IMRT for patients with head and neck cancer. The International Society for Quality of Life Research (ISOQOL). Copenhagen, Denmark, October 2016.
27. \***Xiao C**, Beitler JJ, Higgins KA, Glazer T, Wommack EC, Shin DM, Saba NF, Bruner DW, Miller AH. Persistent Fatigue is Associated with Persistent Peripheral Inflammation in Patients with squamous cell carcinoma of the Head and Neck Cancer up to 3 Months Post IMRT. The American Society for Therapeutic Radiology and Oncology (ASTRO). Boston, MA, September 2016.
28. \*Beitler JJ, Switchenko JM, Dignam JJ, Higgins KA, Eaton BR, El-Deiry MW, Saba NF, Magliocca KR, Kendi ATK, **Xiao C**, Hudgins PA, Le QT, Curran WJ. Distant Metastatic Rate in Oropharyngeal Squamous Cell Cancer Was Associated with Age, Smoking Status, and Nodal Disease in an NRG Secondary Analysis. The American Society for Therapeutic Radiology and Oncology (ASTRO). Boston, MA, September 2016.
29. \*Ferris MJ, Zhong J, Switchenko JM, Higgins KA, McDonald MW, Eaton BR, Miller AH, Bruner DW, **Xiao C**, Beitler JJ. CNS Dose is Not Associated with Treatment-Related Fatigue in Patients Undergoing Radiation Therapy for Head and Neck Cancer. The American Society for Therapeutic Radiology and Oncology (ASTRO). Boston, MA, September 2016.
30. \***Xiao C**, Beitler J, Higgins K, Felger J, Conneely K, Dwivedi B, Kowalski J, Burner DW, Miller A. Gene expression changes and fatigue during IMRT in Patients with Head and Neck Cancer. Psychoneuroimmunology Research Society. Seattle, WA, June 2015.

**National:**

1. \*Eldridge RC, Saba NF, Miller AH, Wommack EC, Felger J, Bruner DW, **Xiao C**. Investigating the metabolic-inflammatory mechanisms of cachexia symptoms in head and neck cancer patient plasma via multiomics integration of the metabolome, lipidome, and inflammation cytokines. Translational Science 2024.
2. #\*Osunsanya O, **Xiao C**, Eldridge R, Huynh LK. Albumin Levels Affect How Predictive Hemoglobin Levels are of Fatigue in Head and Neck Cancer Patients. Annual Biomedical Research Conference for Minority Students (ABRCMS). Phoenix, AZ, November 2017.
3. \***Xiao C**, Miller A, Felger J, Mister D, Liu T, Torres M. Depression and inflammation are independent predictors of fatigue in breast cancer survivors. Diagnosis, Mechanisms, and Management of Cancer Treatment-Induced Neurotoxicity: Neuropathy, Fatigue and Cognitive Impairment. Houston, Texas, January 2016.

**Regional:**

1. \*#Lin, Y., Graetz, I., Porter, L. S., Alese, O. B., Higgins, M. K., Northouse, L., Liu, D., Bold, D., Hu, X., & **Xiao, C.** A web-based dyadic intervention for symptom management among patients with colorectal cancer and their caregivers: A feasibility study. Poster presentation at 10th Annual Health Services Research Day, Atlanta, May 7, 2024.
2. #\*Reynolds K, **Xiao C**. Risk Factors for Depressive Symptoms in HPV Positive Patients with Oropharyngeal Cancer. 32nd SNRS. Atlanta GA. March 2018.
3. #\*Osunsanya O, **Xiao C**. Analysis of the Correlation between Fatigue and Hb Levels in Head and Neck Cancer Patients. Emory Undergraduate Research Symposium, Atlanta, GA, April 2017.
4. #\*Domin B, **Xiao C**. Severity of head and neck symptom clusters in response to inflammatory signaling during radiotherapy. Emory Undergraduate Research Symposium, Atlanta, GA, April 2016.
5. #\*Dallara M, **Xiao C**. Cognitive Impairment and Inflammation in Head and Neck Cancer Patients. Emory Undergraduate Research Symposium, Atlanta, GA, April 2016.
6. #\*Kadwalwala M, **Xiao C**. Predictors for Post-IMRT Fatigue in Head and Neck Cancer Patients. Emory Undergraduate Research Symposium, Atlanta, GA, April 2015.

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**Courses Taught**

Fall 2023 NRSG 542MN: EBP for Professional Nurse Instructor

Summer 2023 NRSG 718D: Evidence Based Practice Instructor

Fall 2022 NRSG322: Health Promotion and Wellness Instructor

Spring 2022 NRSG730: Measurement and Design in Clinical Research Instructor

Fall 2021 NRSG504: Biostatistics for Practice Scholars Instructor

Spring 2020 NURS909, Science, Scholarship and Communication Instructor

of Knowledge

Fall 2019 NURS908, Science, Scholarship and Communication Instructor

of Knowledge

2018-2016 NRSG204: Introduction to Biostatistics (online course) Coordinator

Spring 2016, 2015 NRSG371, Professional Development II: Evidence Seminar Leader

 Based Nursing Practice

Fall 2015 NRSG736, Quantitative Analysis of Clinical Research Data Instructor

 (Using SPSS)

Fall 2014 NRSG450: Human Clinical Genetics Coordinator

2013-2015 NRSG730: Measurement and Design in Clinical Research Guest lecturer

2013-2014 NRSG705: Endogenous and Exogenous Determinants Guest lecturer

of Human Health

2016-2017 NRSG732: Theoretical and Conceptual Bases for the Guest lecturer

Study of Clinical Phenomena

2016-2017 EPI585: Advanced Topics in Cancer Epidemiology Guest lecturer

**Doctor of Philosophy in Nursing Advisement**

2018-2022 Dissertation Committee Member for Sameena F. Sheikh-Wu University of Miami

2021-2024 Dissertation Committee Chair for Gayeong Kim Emory University

2023-Present Dissertation Committee Chair for Hyein Kim Emory University

2024-Present Dissertation Committee Chair for Stephanie Jiang Emory University

2024-Present Dissertation Committee Member for Hannah Choi University of Illinois

**Doctor of Philosophy in Computer Science Advisement**

2024-Present Dissertation Committee Member for Sizuo Liu Emory University

**Master of Science in Public Health Thesis Advisement**

2023-2024 Lauren Mohler, “Associations between Human Papillomavirus Infection and Peripheral Blook Gene Expression Among Patients with Head and Neck Cancer Before and After Radiotherapy”, Thesis advisor

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**PROFESSIONAL AND UNIVERSITY SERVICE ACTIVITIES**

**Professional Organizations**

2023- Member, NRG Head and Neck Cancer PRO-CE Working Group

2022 Chair, Asian American / Pacific Islander Nurses Association (AAPINA) 2022 Annual conference (Joint with TWNA)

2021-2023 Chair, AAPINA (Asian American / Pacific Islander Nurses Association) Georgia

Chapter

2021-2023 Member, AAPINA

2021 Chair, AAPINA 2021 Annual conference (Joint with Emory International Nursing

Conference)

2018-2020, 2023 Co-chair, Membership Committee, International Society for Quality of Life Research (ISOQOL)

2018 Member, Friends of National Institute of Nursing Research (FNINR) 2018 Awards

Committee

2018- Member, Multinational Association of Supportive Care in Cancer (MASCC) and the

International Society of Oral Oncology (ISOO)

2018 Co-chair for e-Poster Presentations: Survivorship, Multinational Association of

Supportive Care in Cancer (MASCC) and the International Society of Oral Oncology (ISOO)

2017-2019 Co-chair, New Investigator SIG, ISOQOL

2017-2018 Congress planning committee member, Co-chair for research track, ISQOL

2015- Member of ISQOL

2014- Member, Psychoneuroimmunology Research Society

2014- Committee Member, NRG Oncology Group Head and Neck Cancer

2013- Member, Southern Nursing Research Society (SNRS)

2010- Member, American Nursing Association (ANA)

2010- Member of ONS

2009-2011 Member, Eastern Nursing Research Society (ENRS)

2008- Member, Honor Society of Nursing, Sigma Theta Tau International

**Editorships and Editorial Boards**

2021- Member, *Cancer* Editorial Advisory Board

**Manuscript Review**

2020- Journal Reviewer, *Physiology & Behavior*

2020 Journal Reviewer, *Genetic Epidemiology*

2018- Journal Reviewer, *Quality of Life Research*

2017- Journal Reviewer, *Cancer*

2016- Journal Reviewer, *International Journal of Radiation Oncology \* Biology \* Physics*

2015- Journal Reviewer, *Brain, Behavior, and Immunity*

2015- Journal Reviewer, *Supportive Cancer in Cancer*

2015- Journal Reviewer, *Journal of Oncology Practice*

2014- Journal Reviewer, *Western Journal of Nursing Research*

2013- Journal Reviewer, *Oncology Nursing Forum*

2013- Journal Reviewer, *Research in Nursing & Health*

2013- Journal Reviewer, *European Journal of Oncology Nursing*

2013- Journal Reviewer, *Cancer Nursing*

**National and International Consultation**

2021-2022 Content expert, Georgia CTSA TEAMS Mentoring

2019 Mentor, Psychoneuroimmunology Research Society conference

2017 Abstract and symposium reviewer for ISQOL conference

2017 Grant Reviewer, ISQOL

2018 Invited speaker, scientific colloquium: Sleep, Chronic Fatigue and Autoimmune Disease,

American Autoimmune Related Disease Association, April 7, 2018, Washington, DC

2018 Reviewer, Psychoneuroimmunology Research Society conference abstracts

2015 Expert panelist, Advancing Symptom Science through Symptom Cluster Research,

National Institute of Nursing Research (NINR), June 17, 2015, Bethesda Maryland

**National and International Scientific Review**

2019, 2024 Grant Reviewer, Oncology Nursing Foundation

2021- Grant Reviewer, National Institutes of Health

2018 Grant reviewer, NRG NCORP CPC

2017 Grant Reviewer, ISQOL

2016-2017 Grant Reviewer, Early Career Reviewer (ECR) program at the Center for Scientific

Review (CSR), National Institutes of Health

**Emory University Service**

2016-2018 Member, Emory University Library Policy Committee

**Nell Hodgson Woodruff School of Nursing Service**

2022, 2023, 2024 PhD admission committee member

2021- Emory SON Research Advisory Council

2021-2023 Co-leader, Omics Core, Emory School of Nursing

2021-2022 Member, Faculty Appointment and Promotion Committee Emory University School of

Nursing

2021 Member, Associate Dean for Academic Advancement search committee, Emory

University School of Nursing

2018 Member, Emory School of Nursing T32 Recruitment Committee

2017-2018 Committee Member, Emory School of Nursing PhD Admission Committee

2017-2018 Co-Chair, Emory School of Nursing Research Committee

2015-2018 Committee Member, Emory School of Nursing Research Committee

2011-2012 Member, Search Committee for Associate Dean for Research, School of Nursing, Emory

University, GA

**Other Community Service**

2024 Review Committee for the 2024 ACS-Winship Population Science Pilot Grant

2023- Community Outreach and Engagement (COE) Liaison from CPC Winship Cancer Institute Emory University

2021- Executive Committee Member, American Cancer Society Institutional Research Grant

(ACS IRG)

2020- Member, Emory Winship Cancer Institute

2020 Member, Yale Center for Immuno-Oncology

2019-2020 Full Member, Yale Cancer Center

2017-2018 Member, Emory Winship Faculty and Trainee Development Committee Nominations

Subcommittee

2017-2018 Executive Committee Member, American Cancer Society Institutional Research Grant

(ACS IRG)

2015-2018 Grant Reviewer, Emory University Winship Cancer Institute Pilot Grant (Winship

Invests) Review Committee

2014-2018 Core Member, Emory Winship Cancer Institute

**Prior Service at Other Universities**

2019-2020 Chair, Faculty Search Committee Yale University School of Nursing

2019-2020 Member, Faculty Appointment and Promotion Committee Yale University School of

Nursing

2019-2020 Member, Board of Permanent Officers Yale University School of Nursing

2019-2020 Member, Curriculum Council Yale University School of Nursing

2019-2020 Member, Admission Committee Yale University School of Nursing

2008-2009 Treasurer, Doctoral Student Association, University of Pennsylvania School of Nursing