

Scholarly Accomplishments
Students of the PhD Program
University of Pittsburgh
School of Nursing
2021-2022



440 Victoria Building
Pittsburgh, PA 15261

This document summarizes the outstanding scholarly accomplishments for which the current students in the PhD Program at the University of Pittsburgh School of Nursing received notification in academic year 2021-2022. This extensive list of scholarly accomplishments is a testament to the extraordinary students in our program, the dedication of our PhD Program faculty, and their contributions to the development of nursing science. We applaud your exceptional work and look forward to your achievements in the 2022-2023 academic year.

Sincerely,

A handwritten signature in black ink, appearing to read 'YCC', written in a cursive style.

Yvette Conley, PhD, FAAN
Professor and PhD Program Director

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AWARDS & SCHOLARSHIPS

Larissa Allen

Emergency Nurses Association

- ENA Foundation Conference Scholarship
- ENA Foundation UAE Delegation Scholarship

University of Pittsburgh School of Nursing

- Rose Constantino Endowed Scholarship

Alice Cline

University of Pittsburgh School of Nursing

- Swigart/Gold Doctoral Award FY 2023

ARCS Foundation

- Pittsburgh Chapter Award

Meredith Cummings

Oncology Nursing Foundation

- ONS Congress Scholarship

University of Pittsburgh School of Nursing

- Cameo of Caring Endowed Scholarship

Jessica Davis

Sigma Theta Tau International, Eta Chapter

- Rising Star Award

Tara Davis

Sigma Theta Tau International, Eta Chapter

- Rising Star Award

UPMC Hillman Cancer Center

- 34th Annual Scientific Retreat Abstract Presentation Award for the Biobehavioral Cancer Control Program
 - *Oxidative Stress and DNA Repair Genetic Variability and Gene Risk Models for Pre-treatment Cancer-Related Fatigue in Women with Early-Stage Breast Cancer*

University of California, Irvine

- Short Course in Cancer Systems Biology Scholarship

University of Pittsburgh School of Nursing

- Jayne F. Wiggins Memorial Scholarship Award
 - *Multi-omics of Breast Cancer-Related Fatigue and its Mitigation with Exercise*
- Janice Scully Dorman Endowed Omics Research Award
 - *Multi-Omics of the Nrf2 Antioxidant Response Elements Signaling Pathway in Women Experiencing Cancer-Related Fatigue*

International Society of Nurses in Genetics

- Research Grant
 - *Multi-Omics of the Nrf2 Antioxidant Response Elements Signaling Pathway in Women Experiencing Cancer-Related Fatigue*
- Reviewer's Choice Awarded at 2021 Congress

- *DNA Methylation Trajectories of Genes Involved in the Nrf2 Antioxidant Response Elements Signaling Pathway and Patient Outcomes Following Severe Traumatic Brain Injury*

University of Washington

- Summer institute in Statistical Genetics Scholarship

Susan Walborn Grayson

Sigma Theta Tau International

- Sigma Theta Tau Eta Chapter Jacqueline Dunbar Jacob Research Award
- Sigma Theta Tau Eta Chapter Ruth Perkins Kuehn Award

Nightingale Awards of Pennsylvania

- Nightingale Awards of PA PhD Scholarship

University of Pittsburgh School of Nursing

- Ruth and Bill Fincke PhD Student Research award
- Bessie Li Sze Memorial Scholarship Fund Award

Oncology Nursing Foundation

- Oncology Nursing Foundation Research Doctoral Student Scholarship

Do Kyung Kim

University of Pittsburgh

- Juliana Shayne Research Fund FY 2023

Jeong Eun Kim

Alzheimer's Association International Conference

- Travel Fellowship

Lauren Narbey

ARCS Foundation

- Pittsburgh Chapter Award

Staci Orbell

American Society of PeriAnesthesia Nurses

- Above and Beyond Service Recognition Award
- Doctoral Degree Scholarship

University of Pittsburgh School of Nursing

- Cameo of Caring Endowed Nursing Scholarship FY 2022

Karina Kraevsky-Phillips

University of Pittsburgh School of Nursing

- Judith A. Erlen Nursing PhD Student Research Award

ARCS Foundation

- Jewish Healthcare Foundation Award

Kai-Lin You

University of Pittsburgh School of Nursing

- Margaret E. Wilkes Scholarship Fund Award FY 2022
- Margaret E. Wilkes Scholarship Fund Award FY 2023

Oncology Nursing Foundation

- Research Doctoral Degree Academic Scholarship

University of Pittsburgh

- Graduate & Professional Student Government Travel Grant
American Medical Informatics Association
- For Your Informatics Podcast Scholarship

GRANTS

Jessica Davis

Sigma Theta Tau International

- *The Effects of Human Milk on Feed-Related Outcomes and Gut Microbiome Composition in Neonates with Critical Congenital Heart Defects*
- Total Grant Period: 04/2021-03/2022
- *Neonatal Diet Type and Associations with Adverse Feeding Outcomes and Gut Microbiome Composition in Neonates with Critical Congenital Heart Defects*
- Total Grant Period: 06/2022-05/2023
- Total Grant Award: \$5,000

Tara Davis

International Society of Nurses in Genetics

- *Multi-omics of the Nrf2 Antioxidant Response Element Signaling Pathway in Women Experiencing Breast Cancer Related Fatigue*
- Total Grant Period: 11/2021-10/2022

Susan Walborn Grayson

Nightingale Awards of PA

- *Psychoneurological Symptoms and Their Association with Markers of Genomic Instability from Circulating Tumor DNA in Metastatic Breast Cancer*
- Total Grant Period: 06/2022-05/2023
- Total Grant Award: \$7,500

Stephanie Helman

National Institute of Health/ National Institute of Nursing Research

- *Use of Predictive Analytics to Quantify Neonatal Hypothermia Burden After Cardiac Surgery*
- Total Grant Period: 07/2021-06/2024
- Total Grant Award: \$ 48,536

Mary Hoberg

Association of Women's Health, Obstetric and Neonatal Nurses

- *Improving Understanding and Detection of Postpartum Anxiety*
- Total Grant Period: 07/2021-06/2022
- Total Grant Award: \$7,538

Maura McCall

National Institute of Health/ National Cancer Institute

- *A Multi-omics Approach to Examine Symptoms and Medication Adherence in Women with Breast Cancer*
- Total Grant Period: 08/2020-07/2022
- Total Grant Award: \$93,056

Elizabeth Nilsen

Sigma Theta Tau International

- *The Role of Outpatient Services in Improving Postoperative Opioid-related outcomes*

- Total Award Period: 05/2021-06/2022

National Institute on Drug Abuse

- *The Relationship Between Postoperative Prescriber Networks and Opioid Prescribing Discoordination*
- Total Award Period: 9/1/22-8/31/24
- Total Grant Award: \$103,504

Yan Wang

Sigma Theta Tau International

- *Investigating the relationship between patient multi-dimensional intervention engagement and symptom outcomes in a web-based symptom management intervention*
- Total Grant Period: 04/2021-08/2022

Lisa Wesolowski

Sigma Theta Tau International

- *Promoting Health Through Precision Labor Management*
- Total Grant Period: 05/2020-04/2022
- Total Grant Award: \$2,000

PUBLICATIONS

Karen Alsbrook

1. **Alsbrook, K. E.**, Donovan, H. S., Wesmiller, S. W., & Hagan Thomas, T. (2022). Oncology nurses' role in promoting patient self-advocacy. *Clinical Journal of Oncology Nursing*, 26(3), 239–243. <https://doi.org/10.1188/22.CJON.239-243>
2. Jones, K. F., Malinowski, J., Paice, J., Childers, J., Bulls, H., Morrison, J., Ho, J. J., **Alsbrook, K.**, Nugent, S., Broglio, K., Nickels, K., Holbein, M., Parajuli, J., Merlin, J. (2022, in press). Opioid prescribing considerations in patients with cancer and substance misuse and use disorder: A scoping review protocol. *JBIEvidence Synthesis*.
3. Koleck, T. A., Grayson, S., Patzak, S., Conway, A., **Alsbrook, K.**, Hannah, K., Shermock, D., Harpel, C., Topaz, M., & Wesmiller, S. W. (submitted). Beyond the survey: Secondary use of research study notes and natural language processing to explore unmeasured outcomes among women with breast cancer. *Supportive Care in Cancer*.
4. Wesmiller, S., Bender, C., Grayson, S., Harpel, C., Diego, E., McAuliffe, P., Steiman, J., **Alsbrook, K.** & Sereika, S. (2022). Post-discharge nausea and vomiting and co-occurring symptoms in women following breast cancer surgery. *Journal of PeriAnesthesia Nursing*. In press.

Rebecca Burkhart

1. Constantino, R., Allen, L., Hui, V., Nitowski, K., Kameg, B., Bowser, A., **Burkart, R.** and Braxter, B. (2022) Clinical Judgment Development: Six Steps to Establish Professional Identity and Role-Specific Competencies in Caring for a Sexual Assault Survivor. *Health*, 14, 23-37. doi: 10.4236/health.2022.141002

Meredith Cummings

1. Grayson S, **Cummings M**, Wesmiller S, & Bender C (2022). The Cancer Genomic Integration Model for Symptom Science (CGIMSS): A Biopsychosocial Framework. *Biological Research for Nursing*. doi: 10.1177/10998004221132250. Epub ahead of print.

Jessica Davis

1. Demirci, J.R., **Davis, J.A.**, Glasser, M., and Brozanski, B. (2021) Prevalence and patterns of gestational parent's own milk feeds among infants with major congenital surgical anomalies in the NICU. *Journal of Perinatology*.
2. **Davis, JA**, Glasser, M, Clemens, M, Eichhorn, B, Vats, k, and Demirci, JR, (2021) Antenatal milk expression for gestational parents of surgical infants: A feasibility study. 2021 Sigma International Congress.
3. **Davis, JA** & Demirci, JR (2021) A vision for the future of nursing leadership in the lactation field. *Journal of Perinatal and Neonatal Nursing*.

Tara Davis

1. Treble-Barna, L. W. Heinsberg, Z. Stec, S. Breazeale, **T. Davis**, A. Kesbhat, A. Chattopadhyay, H. VonVille, A. M. Ketchum, K. Owen Yeates, P. Kochanek, D. Weeks, Y. Conley (2022) Brain-Derived Neurotrophic Factor (*BDNF*) Epigenomic Modifications and Brain-Related Phenotypes in Humans: A Systematic Review. medRxiv 10.1101/2022.09.13.22279723

Susan Walborn Grayson

1. **Grayson S**, Cummings M, Wesmiller S, & Bender C (2022). The Cancer Genomic Integration Model for Symptom Science (CGIMSS): A Biopsychosocial Framework. *Biological Research for Nursing*. doi: 10.1177/10998004221132250. Epub ahead of print.
2. **Grayson S**, Patzak SA, Dziewulski G, Shen L, Dreisbach C, Lor M, Conway A & Koleck TA (2022). Moving beyond Table 1: A critical review of the literature addressing social determinants of health in chronic condition symptom cluster research. *Nursing Inquiry*, e12519. Advance online publication. <https://doi.org/10.1111/nin.12519>
3. **Grayson S**, Sereika S, Harpel C, Diego E, Steiman JG, McAuliffe PF, Wesmiller S. (2022). Factors associated with sleep disturbances in women undergoing treatment for early-stage breast cancer. *Supportive Care Cancer*, 30(1):157-166. PMID: 34244851; PMCID: PMC 8270775
4. Dreisbach C, **Grayson S**, Leggio K, Conway A & Koleck T (2022). Predictors of unrelieved symptoms in All of Us Research Program participants with chronic conditions. *Journal of pain and symptom management*, Advance online publication. <https://doi.org/10.1016/j.jpainsymman.2022.08.018>
5. Wesmiller S, Bender C, **Grayson S**, Harpel C, Diego E, McAuliffe P, Steiman J, Alsbrook K & Sereika S (2022). Post-Discharge Nausea and Vomiting and Co-occurring Symptoms in Women following Breast Cancer Surgery. *Journal of PeriAnesthesia Nursing*. In press.
6. Wesmiller S & **Grayson S** (2022). Inheritance Patterns. In: *Fun Facts: Genetics and Genomics*. Ed, Subasic, K. New York: Springer Publishing.

Stephanie Helman

1. **Helman S**, Terry MA, Hravnak M, Pellathy T, George B, Pinsky MR, Al-Zaiti S, Clermont G. User-Engaged Design of a Graphical User Interface for Instability Decision Supporting the ICU. 2021. Society of Critical Care Medicine.
2. Faramand Z, Alrawashdeh M, **Helman SM**, Bouzid Z, Martin-Gill C, Callaway C, Al-Zaiti S. Your neighborhood matters: a machine-learning approach to the geospatial and social determinants of health in 9-1-1 activated chest pain. (2021). Special Issue on Health Equity in Research in Nursing and Health Journal (Submitted; Revision 1).
3. Maura Gallagher, **Stephanie Helman, PhD(c), RN, CCRN-K, CCNS**, Ziad Faramand, MD, MS, Salah Al-Zaiti, PhD, RN, CRNP, ANP-BC, FAHA. Baseline Demographic and Clinical Characterization of Acute Coronary Syndrome Patients with Single Versus Multi-Vessel Coronary Occlusion. Council on Undergraduate Research. April 4-8, 2022. Virtual Conference.
4. Bouzid Z, Faramand Z, Gregg RE, **Helman SM**, Martin-Gill C, Saba S, Callaway C, Sejdic E, Al-Zaiti S. Novel ECG features and machine learning to optimize culprit lesion detection in patients with suspected acute coronary syndrome. *J Electrocardiol*. 2021 Jul 23:S0022-0736(21)00155-2. doi: 10.1016/j.jelectrocard.2021.07.012. Epub ahead of print. PMID: 34332752.

Vivan Hui

1. Thanker, K., **Hui, V.**, Wang, Z., Brusilovsky, P., Donovan, H., Klem, ML., He, D., & Lee YJ. (2021) Understanding article sharing amongst OvCa Patients to enhance Patient-Centric Recommendation Engine. *Journal of Medical Internet Research* (Submitted, under review)

Megan Kazakoff

1. Julian DR, **Kazakoff MA**, Patel A, Jaynes J, Willis MS, Yates CC. Chemokine-Based Therapeutics for the Treatment of Inflammatory and Fibrotic Convergent Pathways in COVID-19. *Curr Pathobiol Rep*. 2021;9(4):93-105. doi: 10.1007/s40139-021-00226-0. Epub 2021 Dec 8. PMID: 34900402; PMCID: PMC8651461.
2. Bowser AS, **Kazakoff MA**, Scott PW, Dunbar-Jacob J. Nursing Students' Dissatisfaction With Course Organization and Student Engagement in Remote Learning 1 Year Post-COVID-19 Restrictions. *Nurse Educ*. 2022 May-Jun 01;47(3):E68-E72. doi: 10.1097/NNE.0000000000001175. Epub 2022 Feb 2. PMID: 35113053; PMCID: PMC9026635.

Do Kyung Kim

1. Martsof GR, **Kim D**, Germack HD, Harrison J, Poghosyan L. (2021). Clinician, practice, and regulatory determinants of nurse practitioner practice independence in primary care. *Journal for Nurse Practitioners*. (Under revision)

Staci Orbell

1. **Orbell, S.**, Chasens, E., Scott, P., Luyster, F., & Morris, J. (2022) 0710 Validation of the predictive utility of the multivariable apnea index for obstructive sleep apnea in women. [Published abstract]. *Sleep*, (45), supplement 1, A311-A312. <https://doi.org/10.1093/sleep/zsac079.706>
2. Morris, J.L., **Orbell, S.**, Scott, P.W., Imes, C.C., Jeon, B., Baniak, L.M., Burke, L.E., & Chasens, E. (2022) Risk Stratification by Sex and Menopausal Status in the Multivariable Apnea Prediction Index. [Manuscript submitted, under review].
3. Baniak, L.M., **Orbell, S.**, Luyster, F.S., Henker, R., & Stollo, P.J. (2022). Perioperative management of obstructive sleep apnea in lower extremity orthopedic procedures: A review of evidence to inform the development of a clinical pathway. *Sleep Medicine Reviews*. <https://doi.org/10.1016/j.smrv.2022.101712> (Notes: Manuscript submitted FY 2022; published FY 2023; Co-first author)

Kai-Lin You

1. Thomas, T. H., Go, K., Go, K., McKinley, N. J., Dougherty, K. R., **You, K.-L.**, & Lee, Y. J. (2021). Empowerment through technology: A systematic evaluation of the content and quality of mobile applications to empower individuals with cancer. *International Journal of Medical Informatics*, 163,104782. <https://doi.org/10.1016/j.ijmedinf.2022.104782>.
2. Healy, P., **You, K.-L.**, Xu, A., Thomas, T. H., & Babichenko, D. (2022). A Narrative Serious Game to Teach Self-Advocacy Skills in Advanced Cancer. [Manuscript submitted for publication]. School of Nursing, University of Pittsburgh.
3. **You, K.-L.**, Bender, C., Fennimore, L., Rosenzweig, M., Raina, K., Dalby, A., Cummings, M., & Thomas, T. H. (2022, April). A Scoping Review of Work-Related Studies in Nurses Diagnosed with Cancer. Oral poster presented in the 2022 Annual Oncology Nursing Society Congress, held by Oncology Nursing Society. Oral presentation in the Greater Pittsburgh Chapter Oncology Nursing Society Congress.

Jian Zhao

1. **Jian Zhao**, Susan R. Mazanec, Margaret Rosenzweig.(2021).Anxiety and PTSD during the COVID-19 pandemic for women with breast cancer. *Oncology Nursing Forum*. (Submitted)

PRESENTATIONS

Karen Alsbrook

1. **Alsbrook, K.E.** (2021, 28 September-2 October). *Talking pain: Personal experiences of older women with breast cancer*. [Virtual PowerPoint Presentation]. 31st National Conference of the American Society of Pain Management Nursing.

Alice Cline

1. **Cline, A.** (2022, October 14). *Intermittent Auscultation: Why Aren't We Using It?* [Podium Presentation]. 2022 Fall Pennsylvania AWHONN Section Conference, Harrisburg, PA

Jessica Davis

1. **Davis, J.A.** *Supporting lactation in the setting of a congenital heart defect*. USLCA Live Webinars, August 18th, 2021
2. **Davis, J.A.**, Glasser, M., & Demirci, J.R. (Abstract Accepted). *Antenatal milk expression and breastfeeding outcomes for mothers of infants with surgical defects: A case series*. National Association of Neonatal Nurses 2021 Conference. Virtual Poster Presentation.

Susan Walborn Grayson

1. **Grayson S**, Patzak S, Dzielwski G, Shen L, Dreisbach C, Lor M, Conway A, & Koleck T (2022). A critical review of social determinants of health in chronic condition symptom cluster research. Podium presentation at the Council for the Advancement of Nursing Science 2022 State of the Science Congress on Nursing Research: Social & Structural Determinants of Health, Washington, DC.
2. Koleck TA, **Grayson S**, Leggio K, Conway A, & Dreisbach C (2022). Symptom phenotypes and predictors of unrelieved symptoms in individuals with chronic conditions: a cross-sectional analysis of the All of Us Research Program survey data. Poster presentation at the American Medical Informatics Association 2022 Annual Symposium. Washington, DC.

Jeong Eun Kim

1. **Kim, J. E.**, (2022, August 4). *Longitudinal Qualitative Analysis of the Role and Perspectives of Care Partners During and Four Weeks Following Disclosure of Amyloid PET Results*. [Podium Presentation]. AAIC 2022.
2. **Kim, J. E.**, (2022, September 30). *Family Care Partners and their Key Role when AD Biomarker Results are Disclosed*. [Poster Presentation]. National Center on Family Support to Host Conference on Caregiving Research.

Karina Kraevsky-Phillips

1. **Kraevsky-Phillips, K.** (2021, November). *An Unsupervised Machine-learning-based Approach Elucidates the Prognostic Value of Symptom Clusters in Heart Failure Patients Evaluated in the Emergency Department*. American Heart Association Scientific Sessions 2021
2. **Kraevsky-Phillips, K.** (2022, April). *Prognostic Value of Machine-Learning-Built Symptom Clusters in Heart Failure Patients Evaluated in the Emergency Department*. 2022 Fink Scholar Day.

Esther Moon

1. **Moon, S.E.*** & Lee, H. (October 2021). *Heart rate variability and substance use disorder*. [Podium presentation], 35th Annual American Psychiatric Nurses Association Conference, Louisville, KY, United States.

Staci Orbell

1. **Orbell, S.L.**, Chasens, E.R., Scott, P.W., Luyster, F.S., Morris, J.L. (2022). *Validation of the Predictive Utility of the Multivariable Apnea Prediction Index for Obstructive Sleep Apnea in Women*. [Oral presentation]. Associated Professional Sleep Societies' 36th Annual Meeting. June 2022. Charlotte, NC.

Kai-Lin You

1. **You, K.-L.**, Bender, C., Fennimore, L., Rosenzweig, M., Raina, K., Dalby, A., Cummings, M., & Thomas, T. H. (2022, April). *A Scoping Review of Work-Related Studies in Nurses Diagnosed with Cancer*. Oral poster presented in the 2022 Annual Oncology Nursing Society Congress, held by Oncology Nursing Society. Oral presentation in the Greater Pittsburgh Chapter Oncology Nursing Society Congress.

OTHER SCHOLARLY ACTIVITIES

Larissa Allen

Emergency Nurses Association

- ENA Delegation to the United Arab Emirates

Rachel Brazee

Pitt School of Nursing

- Nursing Health Services and Policy Research Interest Group

UPMC

- Metastatic Breast Cancer Program of Care

Jessica Davis

NEC Society

- Cardiac NEC Working Group

Mid Atlantic Mother's Milk Bank

- Board of Directors

ISONG

- Congress Planning Committee
- Education Committee

Western Pennsylvania La Leche League

- Associate Area Professional Liasion

Pitt School of Nursing

- Omics Journal Club
- Sigma Theta Tau Mentoring Committee
- GNSO

Jeong Eun Kim

Pitt School of Nursing

- Diversity, Equity, and Inclusion Committee

UPMC

- Staff Injury Committee
- Seclusion and Restraint Committee

Karina Kraevsky-Phillips

Sigma Theta Tau, Eta Chapter

- Leadership Succession Committee Chair
- Webmaster

Journal of Clinical Transplantation

- Reviewer (Supervised)

Health Informatics Journal

- Reviewer

Maura McCall

University of Pittsburgh

- University Senate Research Committee
- GPSG representative

Elizabeth Nilsen

UPMC

- EBP and Research Council

Staci Orbell

University of Pittsburgh

- Evaluation Steering Committee PhD Student Member

American Society of PeriAnesthesia Nurses

- Clinical Practice Committee Team Leader
- Standards & Guidelines Strategic Work Group
- Clinical Inquiry Committee
 - o Research Grant Reviewer
- National Conference Abstract Reviewer

Kai-Lin You

University of Pittsburgh

- Taiwanese Scholars Society
- Graduate Global Ties

Sigma Theta Tau International, Eta Chapter

- Leadership Succession Committee