

**Scholarly Accomplishments**  
**Students of the PhD Program**  
**University of Pittsburgh School of**  
**Nursing**  
**2020-2021**



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 2020-2021. 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 2021-2022 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, GRANTS and HONORS**

### **Abujaradeh, Hiba**

Jennifer Thurheimer-Cacciotti, PhD Student Award, University of Pittsburgh School of Nursing

J.Wiggins Scholarship for study titled: The Association of Trait Mindfulness with Psychosocial and Bio-behavioral Variables among Adolescents with Type 1 Diabetes.

### **Alsbrook, Karen**

Bessie Li Sze Memorial Nurse Scholarship, University of Pittsburgh School of Nursing

Predocctoral Fellowship; Technology Research in Chronic and Critical Illness T32

Swigart/Gold Doctoral Award for Scholarship in Nursing Ethics FY21

### **Braze, Rachel (Heckman)**

Robert Wood Johnson Future of Nursing Scholar; Robert Wood Johnson Foundation

E. Jane Martin Scholarship; University of Pittsburgh School of Nursing

Jayne F. Wiggins Memorial Scholarship Award; University of Pittsburgh School of Nursing

### **Cline, Alice**

ARCS Foundation Scholar

Corrine M. Barnes Scholarship; University of Pittsburgh School of Nursing

### **Davis, Jessica**

ARCS Foundation Scholar

Corrine M. Barnes Scholarship; University of Pittsburgh School of Nursing

Sigma Theta Tau Research Award: The Effects of Human Milk on Feed-Related Outcomes and Gut Microbiome Composition in Neonates with Critical Congenital Heart Defects

Salk Health Advocate Fellowship

University of Washington Summer Institute in Statistics and Modeling for Infectious Disease; Summer Institute Scholarship

President, Graduate Student Nursing Organization

Board of Directors; Mid Atlantic Mother's Milk Bank

Associate Area Professional Liaison; Western Pennsylvania La Leche League

Sigma Theta Tau Eta Chapter Rising Star

### **Davis, Tara**

Ruth and Bill Fincke PhD Student Research Award; University of Pittsburgh School of Nursing

Summer Institute in Statistical Genetics Scholarship; University of Washington School of Public Health

Predocutorial Fellowship; Targeted Research and Academic Training of Nurses in Genomics T32

ISONG Reviewer's Choice Award: "DNA Methylation Trajectories Of Genes Involved In The Nrf2 Antioxidant Response Elements Signaling Pathway And Patient Outcomes Following Severe Traumatic Brain Injury"

### **Dieterich, Rachel**

Robert Wood Johnson Future of Nursing Scholar; Robert Wood Johnson Foundation

Research Award for project The Relationship between Perinatal Weight Stigma and Breastfeeding Outcomes from Association of Women's Health, Obstetric, and Neonatal Nurses (AWHONN)

### **Gawron, Lisa**

Sigma Theta Tau Eta Research Award for project Promoting Health Through Precision Labor Management

Predocutorial Fellowship; Targeted Research and Academic Training of Nurses in Genomics T32

Margaret E. Wilkes Scholarship Fund Award; University of Pittsburgh School of Nursing

**Helman, Stephanie**

NIH/NINR NRSA F31 titled “Use of Predictive Analytics to Quantify Neonatal Hypothermia Burden After Cardiac Surgery”

**Hoberg, Mary**

Corrine M. Barnes Scholarship; University of Pittsburgh School of Nursing

Predocctoral Fellowship; Technology Research in Chronic and Critical Illness T32

Research Award from Association of Womens Health, Obstetrics, and Neonatal Nurses titled “Improving Understanding and Detection of Postpartum Anxiety”

**Hui, Chi Ching Vivian**

Rose Constantino Nursing Scholarship; University of Pittsburgh School of Nursing

Research Scholar Award from Academy on Violence and Abuse

Research Award from Center for Research and Education, University of Pittsburgh for project titled “Leveraging text mining to understand resilience in domestic violence.”

**Kazakoff, Megan**

ARCS Foundation Scholar

**Kraevsky-Phillips, Karina**

ARCS Foundation Scholar

Predocctoral Fellowship; Technology Research in Chronic and Critical Illness T32

**McCall, Maura**

National Cancer Institute F99/K00 Fellowship titled “A Multi-omics Approach to Examine Symptoms and Medication Adherence in Women with Breast Cancer”.

**Moon, Esther**

Leslie A. Hoffman Research Award; University of Pittsburgh School of Nursing

**Narby, Lauren**

ARCS Foundation Scholar

Corrine M. Barnes Scholarship; University of Pittsburgh School of Nursing

**Orbell, Staci L**

Doctoral Degree Scholarship from American Society of PeriAnesthesia Nurses

Cameo of Caring Endowed Nursing Scholarship; University of Pittsburgh School of Nursing

**Pellathy, Tiffany**

NIH/NINR NRSA F31 titled "Machine Learning to Determine Dynamically Evolving New-Onset Venous Thromboembolic (VTE) Event Risk in Hospitalized Patients"

**You, Kai-Lin**

Margaret E. Wilkes Scholarship Fund Award; University of Pittsburgh School of Nursing

Oncology Nursing Society; Oncology Nursing Foundation Congress Scholarships

**Zhao, Jian**

Bessie Li Sze Memorial Scholarship; University of Pittsburgh School of Nursing

## **PUBLICATIONS**

### **Abujaradeh, Hiba**

Wong JJ, Addala A, Abujaradeh H, Adams RN, Barley RC, Hanes SJ, Iturralde E, Lanning MS, Naranjo D, Tanenbaum ML, Hood KK. Depression in context: Important considerations for youth with type 1 vs type 2 diabetes. *Pediatr Diabetes*. 2020 Feb;21(1):135-142. doi: 10.1111/pedi.12939. Epub 2019 Nov 6. PMID: 31644828.

### **Alsbrook, Karen**

Alsbrook, K. E., Harpel, C. K., Scott, P. W., Hayden, A. D., Dunwoody, C. J., & Wesmiller, S. W. (2021). Older women and opioid analgesia after breast cancer surgery. *Pain Management Nursing*.  
<https://doi.org/https://doi.org/10.1016/j.pmn.2020.12.010>

### **Brazeo, Rachel (Heckman)**

Brazeo, R. L., Nugent, B. D., Sereika, S. M., & Rosenzweig, M. (2021). The Quality of End-of-Life Care for Women Deceased From Metastatic Breast Cancer. *Journal of Hospice & Palliative Nursing*, 23(3), 238-247.

Brazeo, R. L., Sereika, S. M., & Rosenzweig, M. Q. (2021). Prevalence, pattern, and probability for goals of care discussions among women diagnosed with metastatic breast cancer. *Journal of Cancer Survivorship*, 15(3), 375-379.

### **Davis, Jessica**

Davis, J.A., Baumgartel, K., Giangrosso, V., Morowitz, M.J., & Demirci, J.R. (2020) The role of human milk in decreasing necrotizing enterocolitis through modulation of the infant gut microbiome: A scoping review. *Journal of Human Lactation*. 36(4):647-656. doi: 10.1177/0890334420950260

Demirci, J.R., Davis, J.A., Glasser, M., and Brozanski, B. (In Print) Prevalence and patterns of gestational parent's own milk feeds among infants with major congenital surgical anomalies in the NICU. *Journal of Perinatology*.

Davis, JA & Demirci, JR (In press) A vision for the future of nursing leadership in the lactation field. *Journal of Perinatal and Neonatal Nursing*.

Davis, JA, Glasser, M, Clemens, M, Eichhorn, B, Vats, k, and Demirci, JR, (In press) Antenatal milk expression for gestational parents of surgical infants: A feasibility study. 2021 Sigma International Congress.



### **Davis, Tara**

Davis, T. S., Nathan, J. E., Tinoco Martinez, A. S., De Vis, J. B., Turtzo, L. C., & Latour, L. L. (2020). Comparison of T1-Post and FLAIR-Post MRI for identification of traumatic meningeal enhancement in traumatic brain injury patients. *PloS one*, 15(7), e0234881. <https://doi.org/10.1371/journal.pone.0234881>

Turtzo, L. C., Jikaria, N., Cota, M. R., Williford, J. P., Uche, V., Davis, T., MacLaren, J., Moses, A. D., Parikh, G., Castro, M. A., Pham, D. L., Butman, J. A., & Latour, L. L. (2020). Meningeal blood-brain barrier disruption in acute traumatic brain injury. *Brain communications*, 2(2), fcaa143. <https://doi.org/10.1093/braincomms/fcaa143>

### **Gawron, Lisa**

Wagner MA, Wesmiller SW, Maydick M, Gawron LM, Peterson-Burch FM, Conley YP. Symptom Science: Omics and Response to Non-Pharmacological Interventions. *Biol Res Nurs*. 2021 Jul;23(3):394-401. doi: 10.1177/1099800420975205. Epub 2020 Dec 3. PMID: 33267608.

### **Grayson, Susan**

Grayson, S., Sereika, S., Harpel, C., Diego, E., Steiman, J. G., McAuliffe, P. F., & Wesmiller, S. (2021). Factors associated with sleep disturbances in women undergoing treatment for early-stage breast cancer. *Supportive care in cancer : official journal of the Multinational Association of Supportive Care in Cancer*, 1–10. Advance online publication. <https://doi.org/10.1007/s00520-021-06373-9>

### **Helman, Stephanie**

Helman SM, Herrup EA, Christopher AB, and Al-Zaiti SS (2021). The role of machine learning applications in diagnosing and assessing critical and non-critical CHD: a scoping review. *Cardiology in the Young*, page 1 of 10. doi: 10.1017/S1047951121004212 (In press).

Helman SM, Terry MA, Pellathy T, Williams A, Dubrawski A, Clermont G, Pinsky MR, Al-Zaiti S, Hravnak M. (2021). Engaging clinicians early during the development of a graphical user display of an intelligent alerting system at the bedside. *International Journal of Medical Informatics*. (Submitted; Revision 1).

### **Hui, Chi Ching Vivian**

Constantino, R. E., Reyes, A. T., Kregg-Byers, C. M., Braxter, B., Scott, P. W., Cobb, J., Hui, V.,... & Palompon, D. R. (2020). Matters of HEARTS: health, experience of abuse, resilience, technology use, and safety of older adults. *Educational Gerontology*, 1-15. <https://doi.org/10.1080/03601277.2020.1757588>

Howell, B., Deyo, P., Swartwout, E., Herdman, N., Caldwell, V., Miller, C. H. C., & Hui, V. (2021). Impact of Patient Engagement on Tailored Education for Joint Replacement Population Using Technology. CIN: Computers, Informatics, Nursing [http://doi.org/ doi:10.1097/CIN.0000000000000761](http://doi.org/doi:10.1097/CIN.0000000000000761)

Constantino, R.E., Reyes, A. T., Scott, PW, Petrie-Wyman, J, Carmack, S, Ramos, MD, Palanisamy, B. Cuevas, PEG, Kang, HK, Palompon, DR, Hui, V., Burhart, RE, Allen, LC. (2021) Life Course in HEARTS: Enhancing Telehealth Resilience and Mindfulness Intervention in Older Adults Experiencing Abuse and Trauma—A Conceptualization. *Open Acc J Comp & Alt Med* 3(1) - 2021.

Palompon, D., E., Reyes., Garcia, L., Cutamora, Jezyl., Hui, V.,...& Constantino, R. E., (2021) HEARTS Matters: The Moderation and Mediation Effects of Resilience, Experience of Abuse and Technology in Older Persons. *BMC Geriatrics* (Submitted, under review)

Hui, V., Brazee, R., Rosenzweig, M., Lee YJ. (2021) The association between hormone receptor reactivity and the quality of end-of-life care received among patients with metastatic breast cancer (MBC). *Clinical Journal Oncology Nursing* (In revision, under review)

Hui, V., Lee YJ. (2021) Harnessing machine learning in domestic violence. An integrative review. *Journal of the American Medical Informatics Association* (Submitted, under review)

Constantino, R.E., Hui, V., Nitowski, K. M., Kameg, B., Bowser, A. S., Allen, LC, Burkart, R E & Braxter, B., (2021) Clinical Judgment: A Prerequisite to Establishing Professional Identity--A Case Study. *Advanced Emergency Nursing Journal* (Submitted, under review).

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)

Hui, V., Jeon, B., Klem, ML., Lee, YJ. (2020) Harnessing health information technology in intimate partner violence in the United States. *Trauma, Violence, and Abuse* (Submitted)

### **Kim, Do Kyung (Joy)**

Martsolf 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)

### **McCall, Maura**

McCall MK, Ibikunle S, Murphy Y, Hunter K, Rosenzweig MQ. Knowledge and Attitudes About Genetic Testing Among Black and White Women with Breast Cancer. *J Racial Ethn Health Disparities*. 2020 Oct 6. doi: 10.1007/s40615-020-00878-5. Epub ahead of print. PMID: 33025420.

McCall, M. K., Burke, R., Snader, S., Wagner, M. A., & Rosenzweig, M. Q. (2021). Identification of genes associated with taxane-induced peripheral neuropathy in black women with breast cancer: a review of literature and pathway analysis. *Biol Res Nurs*. Manuscript submitted for publication.

### **Moon, Esther**

Moon, S.E\*, DeVito Dabbs, A.J., Hergenroeder, A.L., Vendetti, M.L., Jones, K., Wiley, B.M., Morrell, M., & Imes, C. (2021). Considerations for assessing physical function and physical activity in clinical trials during the COVID-19 pandemic. *Contemporary Clinical Trials*, 105, 106407. Advance online publication. <https://doi.org/10.1016/j.cct.2021.106407>

### **Orbell, Staci**

Wilkenfeld, D. A., Orbell, S. L., & Lingler, J. H. (2021). Ethical Considerations in Communicating Alzheimer's Disease Neuroimaging Biomarker Test Results to Symptomatic Individuals. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 10.1007/s13311-021-01047-0. Advance online publication. <https://doi.org/10.1007/s13311-021-01047-0>

### **Zhao, Jian**

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**

### **Alsbrook, Karen**

Alsbrook, K. E. (2021). R11. Older Women's Perspectives on the Use of Analgesia following Breast Cancer Surgery. *Pain Management Nursing*, 22(2), 242–243. <https://doi.org/10.1016/j.pmn.2021.02.060>

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

### **Brazee, Rachel (Heckman)**

Heckmann, R. (2020). Understanding the Influence and Implications regarding High Quality Palliative and End of Life Care. Guest Speaker for the Saint Xavier University Concepts of Nursing Class: Chicago, IL.

### **Davis, Jessica**

Davis, J.A. Human milk influences the bacterial composition of the premature infant gut microbiome: A scoping review. 2020 ISONG International Congress, 13-15 November 2020. Virtual Poster Presentation

Davis, J.A., Glasser, M., & Demirci, J.R. First Feed Composition Predicts Formula Use at NICU Discharge among Surgical Infants. Pennsylvania Health Care Mosaic Conference, 1-5 March 2021. Virtual Poster Presentation.

Davis, J.A., Glasser, M., & Demirci, J.R. Antenatal milk expression and breastfeeding outcomes for mothers of infants with surgical defects: A feasibility study. Sigma Theta Tau International 2021 Congress. Virtual Poster Presentation.

Davis, J.A. Supporting lactation in the setting of a congenital heart defect. USLCA Live Webinars

### **Davis, Tara**

International Society of Nurses in Genetics Podium Presentation titled “DNA Methylation Trajectories Of Genes Involved In The Nrf2 Antioxidant Response Elements Signaling Pathway And Patient Outcomes Following Severe Traumatic Brain Injury”

### **Grayson, Susan**

Grayson, S., Wesmiller, S., & Sereika, S. (April 2021) Factors Associated with Sleep Disturbance in Women Undergoing Treatment for Early-Stage Breast Cancer. 46th Annual Oncology Nursing Society Congress, held virtually.

### **Helman, Stephanie**

Helman SM, Terry MA, Pellathy T, Williams A, Dubrawski A, Clermont G, Pinsky MR, Al-Zaiti S, Hravnak M. (2021). A User engaged iterative refinement for the graphical interactive display of a machine learning based intelligent alerting system at the bedside. European Society of Intensive Care Medicine, 34th Annual Congress. October 3-6, 2021.

Helman SM, Herrup EA, Christopher AB, and Al-Zaiti SS (2021). The role of machine learning applications for diagnosing and assessing critical and non-critical CHD: a

scoping review. American Heart Association, Scientific Sessions. November 13-15, 2021.

Helman SM, Terry MA, Hravnak M, Pellathy T, George B, Pinsky MR, Al-Zaiti S, Clermont G. (2022). User-engaged design of a graphical user interface for instability decision supporting the ICU. Society of Critical Care Medicine, Critical Care Congress. February 6-9, 2022.

### **Hui, Chi Ching Vivian**

Hui, V., Constantino, R.E. The association between life satisfaction, emotional support, and perceived health among Intimate Partner Violence (IPV). Academy of Violence and Abuse, Virtual Global Health Summit 2020. Short Paper, Oral Presentation.

Wang, Z., Brusilovsky, P., Donovan, H., Hui, V., Klem, ML,.....&Lee YJ. Machine learning based iterative annotation system for ovarian cancer articles. American Medical Informatics Association 2020. Virtual Annual Symposium. Poster Presentation. November 2020.

Hui, V., Wang Z, Lee, YJ. 'What can online Ovarian Cancer Forum present us about patients' information needs? - A Text-Mining Approach'. American Medical Informatics Association 2021 Virtual informatics summit. Poster presentation. March 2021.

### **Kim, Do Kyung (Joy)**

Kim D, Germack HD, Harrison J, Poghosyan L, Martsolf GR. (2021, June). Having an independent panel contributes to higher levels of burnout among primary care Nurse Practitioners. Poster presentation at Academy Health Annual Research Meeting, Virtual due to COVID.

### **Kraevsky-Phillips, Karina**

Kraevsky-Phillips, K., White, D. B., Arnold, R. M., & Seaman, J. B. (2021, May 14-19). Seen But Not Heard: An Analysis of Nurse Involvement in Interprofessional Family Meetings in Intensive Care Units [Oral presentation]. American Thoracic Society (ATS) 2021 Annual International Conference (virtual), San Diego, CA, United States.

### **McCall, Maura**

McCall, M. K., Sereika, S. M., Rosenzweig, M. Q., Snader, S., Conley, Y.P., & Bender, C. M.(2021, Feb 4-5). Symptom Trajectories in Postmenopausal Women Prescribed Anastrozole for Early Stage Breast Cancer. Poster presented at ONS/NINR/NCI Science Advances in Oncology Nursing Colloquium, Internet.

McCall, M. K., Sereika, S. M., Erickson, K., Gentry, A., & Bender, C. M.(2021, Feb 4-5). Sleep quality, physical activity, and cardiorespiratory fitness in postmenopausal women

with early-stage breast cancer. Poster presented at ONS/NINR/NCI Symptom Science Advances in Oncology Nursing Colloquium, Internet.

McCall, M. K., Beumer, J. H., Conley, Y. P., Bender, C. M., & Sereika, S. M. (2020, October 26). Exploration of associations among anastrozole adherence, symptoms, and PGR genotypes in postmenopausal women with hormone receptor positive breast cancer. Poster presented at Pharmacogenomic Research Network: Launching a New Era 2020 Virtual Annual Meeting & Poster Session, Internet.

McCall, M.K., Ibikunle, S., Murphy, Y., Hunter, K., Rosenzweig, M. Q. (2020, April). Knowledge and Attitudes about Genetic Testing among Black and White Women with Breast Cancer. Poster presented at the Virtual 2020 Health Disparities Poster Competition, University of Pittsburgh, Pittsburgh, PA.  
<https://www.healthdiversity.pitt.edu/programsinitiatives/2020-health-disparities-posters>

### **Moon, Esther**

Moon, S.E.\* & Lee, H. (October 2020). Association between substance use and cognitive impairment in a national sample of older adults. [Poster presentation], 34th Annual American Psychiatric Nurses Association Conference, Orlando, FL, United States.

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.

Altamimi, M. M., Jones, K., **Moon, S.E.**, Vendetti, M. L., Willey, B., Hergenroeder, A. L., Morrell, M., Sciarba, F., DeVito Dabbs, A. & Imes, C. (2021). *Patterns of daily physical activity and sedentary behaviors in recent lung transplant recipients*. [Virtual Poster presentation]. Scientific Sessions of International Society of Heart and Lung Transplantation. DOI: <https://doi.org/10.1016/j.healun.2021.01.1083>

### **Orbell, Staci**

Podium Presentation; Invited Speaker; 2020 – Hot Topics in Perianesthesia Practice: Applying the Standards; Pennsylvania Association of PeriAnesthesia Nurses Annual Education Conference; October 3, 2020. Virtual.

### **You, Kai-Lin**

You, K. L., Schenker, Y., Bender, C., McKinley, N., Rosenzweig, M., & Thomas, H.T. (2021, Feb.). Describing cancer survivors' engagement in a serious game intervention: Who engages and why it matters? Oral poster presented in the Symptom Science Advances in Oncology Nursing Colloquium held by the National Institute of Nursing

Research, the National Cancer Institute Center for Cancer Research, and the Oncology Nursing Society.

You, K.L., Schenker, Y., Bender, C., McKinley, Rosenzweig, M., Donovan, H., & Thomas, T. H. (2021, April). A comparison of the experiences of cancer survivors who are healthcare professionals with non-healthcare professionals: How are healthcare providers' needs different? Abstract critique session invited speaker presented in the 46th Annual Oncology Nursing Society Congress, held by Oncology Nursing Society.

### **Zhao, Jian**

Jian Zhao, Susan R. Mazanec, Margaret Rosenzweig.(2021).Anxiety and PTSD during the COVID-19 pandemic for women with breast cancer. PA Healthcare Mosaic Conference

Jian Zhao, Susan R. Mazanec, Margaret Rosenzweig.(2021).The relationship between baseline factors and dose alterations among women receiving early-stage breast cancer chemotherapy according to race. Symptom Science Advances in Oncology Nursing Colloquium

Jian Zhao, Heidi Donovan, Grace Campbell.(2021).Associations Between Daily Pain and Mood are Moderated by Neuroticism among Women receiving Chemotherapy for Gynecologic Cancer. MASCC/ISOO Annual Meeting