

CURRICULUM VITAE

Name: Susan Watters Wesmiller, PhD, RN, FAAN
Birthplace: Pennsylvania, USA

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University of Pittsburgh School of Nursing
Pittsburgh, Pennsylvania 15261
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EDUCATION

1973-1977	University of Pittsburgh School of Nursing Pittsburgh, PA	BSN	Nursing
1981-1983	University of Pittsburgh School of Nursing	MSN	Medical Surgical Nursing/Pulmonary Clinical Nurse Specialist
2006-2010	University of Pittsburgh School of Nursing	PhD	Nursing

RESEARCH TRAINING

2011- 2013	University of Pittsburgh School of Nursing T32 NR011972A	Postdoctoral Scholar T32 NR011972-05 Training of Nurse Scientists in Cancer Survivor Research
June 2011	Summer Genetics Institute	NIH/ NINR

APPOINTMENTS AND POSITIONS

2019 - present	University of Pittsburgh	Associate Professor with Tenure Health Promotion and Development
2019 - present	University of Basel Basel Switzerland	Guest Faculty Medical and Nursing Care in the Genomics Era
2014–present	University of Pittsburgh University of Pittsburgh Cancer Institute	Associate Professor Biobehavioral Oncology Program UPMC-Hillman Cancer Center

2013 - 2019	University of Pittsburgh School of Nursing	Assistant Professor Tenure Stream Health Promotion and
2008 - 2011	University of Pittsburgh School of Nursing	Part time Faculty/ Teaching Fellow
1993 - 2008	University of Pittsburgh Medical Center UPMC Presbyterian - Pittsburgh, PA	Director, Nursing Education and Research
1993 - 2008	University of Pittsburgh School of Nursing	Adjunct Instructor
1985 - 1992	University of Pittsburgh School of Nursing Dr. Leslie Hoffman, PI	Project Director Concealed Oxygen Delivery Studies
1983 - 1985	Presbyterian-University Hospital Pittsburgh, PA	Clinical Instructor Nursing In-service Education
1980 - 1983	Presbyterian-University Hospital	Part-time Staff Nurse
1979 - 1980	Presbyterian-University Hospital	Clinical Instructor Nursing In-service Education
1978 - 1979	Maple Avenue Hospital DuBois, PA	Head Nurse 27 Bed Surgery Unit
1977 - 1978	Presbyterian-University Hospital Hospital	Staff Nurse/Charge Nurse

RESEARCH

Current Funding

(2021-2023) *“Symptoms Experienced by Women One-year following Surgery for Breast Cancer: A Multi-omics Approach to the Development of Individual Biosignatures”*

Oncology Nursing Foundation RE43 Research Grant Principal Investigator

Total award \$145,275.00

(2020-2022) *Genomic Underpinnings for Breast Cancer Treatment Induced Nausea and Vomiting.*

NIH: National Institute of Nursing Research, 3RO1NR016695, Administrative Supplement to R01 to study the influence of COVID on symptom measurement.

Total award \$127,236.00

(2018-2022) *Genomic Underpinnings for Breast Cancer Treatment Induced Nausea and Vomiting.*

NIH: National Institute of Nursing Research, 1RO1NR016695, Principal Investigator. 35% Effort

Total award \$1,306,428

(2022-2024) *Asian American Native Hawaiians Pacific Islanders ANHPI Genetic and Genomic Education (AGE)* for the NIH *All of US* Research Program **National Institutes of Health All of Us Research Project**, 3OT2OD027077-01S3. Project Lead; \$30,000.00 for the International Society of Nurses in Genetics.

Previous Funding

(2016) *Exploring the Effect of Nausea and Vomiting on Symptom Self-management in Women during Treatment for Breast Cancer*. **Ruth Perkins Kuehn Research Award**, University of Pittsburgh \$20,355.

(2015) *Phenotyping Neoadjuvant Chemotherapy Induced Nausea and Vomiting* **University of Pittsburgh Central Development Research Fund**, \$16,000.

(2014) *An Epigenetic Approach to Studying Nausea and Vomiting in Women following Breast Cancer Surgery – A Feasibility Project*. Funded by the **University of Pittsburgh School of Nursing**, Center for Research and Evaluation, Pilot/Feasibility Study Program. \$15,000.

(2013) *Exploration of Genes of the Dopamine Pathway and Postoperative Nausea and Vomiting in Women with Breast Cancer*. A Pilot Study funded by the **University of Pittsburgh, School of Nursing**, as part of the Genetics/Genomics HUB Award, Yvette Conley, Principal Investigator. \$8000.00

(2011). *Variability of Genes of the Serotonin Pathway and Postoperative Nausea and Vomiting in Women with Breast Cancer*. Funded by the **Oncology Nursing Society Foundation**, \$10,000.00

(2009). *The Association of mu-Opioid Receptor and CYP2D6 Genotypes and Postoperative Nausea and Vomiting*. Funded by **Eta Chapter, Sigma Theta Tau**. \$2,500.00

(2007, 2008) *Loaned Faculty Initiative*. Principal Investigator, **Grant from the State of Pennsylvania, Workforce Investment Board** to partner with the University of Pittsburgh for clinical faculty support. \$200,000.

(2006) *Effective Communication Strategies: Helping to Improve Co-Worker Relationships*. Co-investigator with Catherine M. Witsberger. Funded by the **National Nursing Staff Development Organization**. Direct Costs 1,000.

(1999 – 2001) *Welfare to Work Grant. Hospital Based Training*. Principal Investigator, pilot project funded by the **City of Pittsburgh**. Direct Costs, \$26,000.

(1989 - 1992) *Use of concealed and traditional delivery of oxygen*. 2R01 NR01086-04 competing continuation of R01 NR01086. **National Center for Nursing Research**. Project Director, 100% effort. Direct Costs: \$564,000. (L.Hoffman, R.N., Ph.D., Principal Investigator.)

(1985 -1988) *Nasal cannula & transtracheal delivery of oxygen* R01 NR01086 **National Center for Nursing Research**. Project Director, 100% effort. Direct Costs \$236,000. (L Hoffman, RN, PhD, Principal Investigator).

HONORS and AWARDS

October 2022	Most Valuable Professor (MVP) Honored by the University of Pittsburgh Department of Athletics
November 2021	<i>Pittsburgh Magazine</i> , Excellence in Nursing Awards Nurse Researcher Honorable Mention
October 2021 June 2020	Fellow in the American Academy of Nursing Deans Distinguished Teaching Award University of Pittsburgh, PA
November 2019	International Society of Nurses in Genetics President's Award
June 2017	University of Pittsburgh Cancer Institute Junior Scholar Award in Population Sciences Cancer Research
September 2016	Ruth Perkins Kuehn Research Award – University of Pittsburgh School of Nursing
September 2015	Pennsylvania Nightingale Academic Educator Award Finalist
May 2012	University of Pittsburgh Postdoctoral Association Best of Show Poster Award.
May 2011	Selected as one of 24 Nurse Scholars to attend the 2011 NIH Summer Genetics Institute, sponsored by the National Institute of Nursing Research.
March 2008	State of Pennsylvania Center for Health Careers Best Practice Award for the Loaned Faculty Initiative with the University of Pittsburgh School of Nursing.
December 2007	Josiah Macy Jr. Foundation Conference “Continuing Education in the Health Professions: Improving Healthcare through Lifelong Learning. One of seven nurses invited to participate in the three-day conference that examined the complex issues of continuing education in health care.
March 2000	Governor's Achievement Award for a” Hospital Based Nursing Assistant Program for the state of Pennsylvania,” Welfare to Work Program.
July, 1995	National winner for editorial excellence in the technical article category from the American Society of Business Press Editors for Tasota, F., & Wesmiller, S. (1994). Assessing ABG's. <i>Nursing</i> 94, 24, <u>5</u> , 34-46.
December, 1990	Sigma Theta Tau Ruth Perkins Kuehn Doctoral Student Award Presented by Eta Chapter, Sigma Theta Tau for outstanding scholarship, leadership, professional ability and potential for professional contribution.
December, 1982	Induction into Sigma Theta Tau, Eta Chapter

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2021- Present	American Academy of Nursing Genomics Expert Panel
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- 2010 - Present **Council for the Advancement of Nursing Science (CANS)**
Mid-Career Special Interest Group
- 2008 - Present **International Society of Nurses in Genetics (ISONG)**
Immediate Past President, and board member 2022-2023
President 2021-2022
President-Elect 2020-2021
Director at Large (Elected Position) 2017- 2019
Research Committee 2013 to present
 Chair, 2013 – 2015
Congress Planning Committee 2013 to present
 Congress Chair 2017
 Congress Co-Chair 2016
Chair, First Regional ISONG Meeting, Pittsburgh PA. May 2019
- 2009 - Present **American Nurses Association**
Pennsylvania Nurses Association
- 2009 - Present **American Society for Perianesthesia Nurses**
Research Committee
- 2010 - Present **Oncology Nursing Society**
2020 Research Priorities Taskforce
2014, 2017 Research Grant Review Team
2013 Research Priorities Survey Project Team
- 2017 - Present **Multinational Association of Supportive Care in Cancer**, member
CINV Special Interest Group Member
- 1982 - Present **Sigma Theta Tau International**
1988 - 1990 Secretary, Eta Chapter
1992 - 1995 Chair, Research Committee
2017 - 2019 Undergraduate Counselor Eta Chapter
- 1977 - Present **University of Pittsburgh, School of Nursing Alumni Association**
1991 - 1993 Executive Board, Baccalaureate Representative
1994 - 1995 First Vice President
1995 - 1997 President and School of Nursing Representative to General Alumni Council
1997 - 1999 Past President, Bylaws Chair
- 1984 - 2004 **American Thoracic Society**
1990 - 1994 Program Committee, Nursing Assembly
1992 - 1993 Secretary, Nursing Assembly
1993 - 1995 Chair, Nursing Assembly Long Range Planning Committee

PUBLICATIONS

Peer Reviewed Articles * indicates data-based articles

- ***Wesmiller, S.**, Bender, C., Grayson, S., Harpel, C., Diego, E., McAuliffe, P., Steiman, J., Alsbrook, K. & Sereika, S. (2023). Post-Discharge Nausea and Vomiting and Co-occurring Symptoms in Women following Breast Cancer Surgery. *Journal of PeriAnesthesia Nursing*. In press.
- Grayson, S., Cummings, M., **Wesmiller S.**, Bender, C. (2022). The Cancer Genomic Integration Model for Symptom Science (CGIMSS): A Biopsychosocial Framework. *Biol Res Nurs*. 2022 Oct doi: 10.1177/10998004221132250. Epub ahead of print.
- Alsbrook, K., Donovan, H., **Wesmiller, S.** & Thomas, T. (2022). Oncology nurses' role in promoting patient self-advocacy. *Clinical Journal of Oncology Nursing*. 26(3):239-243. doi: 10.1188/22.CJON.239-243.PMID: 35604742
- *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.
- Wagner, M., **Wesmiller, S.**, Maydick, M., Gawron, L., Peterson-Burch, F. & Conley, Y. (2021). Symptom Science: Omics and Response to Non-Pharmacological Interventions *Biological Research in Nursing*; 23(3):394-401.
- *Harpel, C., Sereika, S., Alsbrook, S., Grayson, S., **Wesmiller, S.** (2021). Factors Associated with the Prevalence and Severity of Nausea while Undergoing Radiation among Women Diagnosed with Early-Stage Breast Cancer. Under revision, *Supportive Care in Cancer*; Preprint, Research Square. DOI://doi.org/10.21203/rs.3.rs-481513.v1.
- *Alsbrook, K., Dunwoody, C., Harpel, C., Hayden, A., Scott, P., & **Wesmiller, S.** (2021). Older Women and Opioid Analgesia Following Breast Cancer Surgery. *Pain Management Nursing*, 22(3):327-335. PMID: 33674240. PMCID: PMC8195813
- *Skrovanek, E., Dunbar-Jacob, J., Dunwoody, C. & **Wesmiller, S.** (2020). Integrative Review of Reproductive Decision Making of Women who are *BRCA* positive. *Journal of Obstetric, Gynecologic and Neonatal Nursing* 49(6):525-536
- Von Ah, D., Brown, C., Brown, S., Bryan, A., Davies, M., Dodd, M, Ferrell, B., Hammer, M., Knobf, M., Knoop, T., Lo-Biondo-Wood, G., Mayer, D., Miaskowski, C., Mitchell, S., Song, L., Watkins, D. **Wesmiller, S.** & Cooley, M. (2019). Research Agenda for the Oncology Nursing Society: 2019-2022. *Oncology Nursing Forum*,46(6), 654-669.
- *Wang, J., Conley, Y., Sereika, S., Bender, C. Godpole, P. & **Wesmiller, S.** (2019) Examining the Effect of 5-HTTLPR on Depressive Symptoms in Postmenopausal Women one year after Initial Breast Cancer Treatment. *Journal of Supportive Care in Cancer*; 27(2), 513-519. doi: 10.1007/s00520-018-4332-9.
- *Kudach, C., Dunwoody, C. & **Wesmiller S.** (2018) The Relationship of Age and Postoperative Pain in Women following Surgery for Breast Cancer. *Pain Management Nursing*; 19(4), 67-76.
- McCall, M., Stanfill, A., Skrovanek, E., Pforr, J., **Wesmiller, S.** & Conley, Y. (2018).

Symptom Science: Omics Supports Common Biological Underpinnings across Symptoms. *Biological Research for Nursing*, 20(2), 83-191.

***Wesmiller, S.** Sereika, S., Bender, C., Ahrendt, G., Bonaventura, M, Bovbjerg, D. & Conley, Y. (2017). Exploring the Multifactorial Nature of Postoperative Nausea and Vomiting in Women Following Surgery for Breast Cancer. *Autonomic Neuroscience: Basic and Clinical*. 202-102-107.

Odem-Forren, J. & **Wesmiller, S.** (2017). Managing Symptoms: Boosting Patients Self-Management Knowledge and Skills for Surgical Recovery. *Seminars in Oncology Nursing*, 33 (1), 52-60.

***Wesmiller, S.** Sereika, S., Conley, Y., Ahrendt, G., Bonaventura, M, Bovbjerg, D. & Bender, C. (2017). A prospective study of nausea and vomiting following surgery for breast cancer. *Journal of Perianesthesia Nursing*, 32(3):169-176.

Dorman, J., Schmella, M., & **Wesmiller, S.** (2017). Primer in Genetics and Genomics, Article 1: DNA, Genes and Chromosomes. *Biological Research for Nursing*; 19(1), 7-17.

*Hoffman, S., Kaufman, R, Ferrari, S., Alexander, S., Rosenzweig, M., **Wesmiller, S.** (2016). Beyond BRCA, Improving Oncology Advance Practice Providers' Knowledge of Pharmacogenomic Testing. *Journal of the Advanced Practitioner in Oncology*, 7(4), 34-38.

***Wesmiller, S.**, Bender, C., Sereika, S., Ahrendt, G., Bonaventura, M., Bovbjerg, D., & Conley, Y. (2014). The association of the serotonin transport gene and post discharge nausea and vomiting in women following breast cancer surgery. *Oncology Nursing Forum*, 41(2), 195-202. Doi:10.1188/14.ONF.195-202

*LoBiondo, G., Brown, C., Knobf, M., Lyon, D., Mallory, G., Mitchell, S., Von Ah, D., **Wesmiller, S.** & Fellman, B. (2014). Priorities for Oncology Nursing Research: The 2103 National Survey. *Oncology Nursing Forum*. 41(1):67-76. doi: 10.1188/14.ONF.67-76.

***Wesmiller, S.**, Henker, R., Sereika, S., Donovan, H., Meng, L., & Conley, Y. (2013). The association of CYP2D6 genotypes and postoperative nausea and vomiting in orthopedic trauma patients. *Biological Research for Nursing*, 15(4), 382-389. DOI: 10.1177/1099800412449181

*Fero, L., Witsberger, C., **Wesmiller, S.**, Zullo, T., & Hoffman, L. (2008). Critical thinking ability of new graduate and experienced nurses. *Journal of Advanced Nursing*, 65(1), 139-148.

Tasota, F., & **Wesmiller, S.** (1998). Keeping blood pH in Equilibrium. *Nursing98*, 24 (5), 34-46.

***Wesmiller, S.** & Hoffman, L. (1994). Evaluation of an Assistive Device for Ambulation in Oxygen Dependent Patients with COPD. *Journal of Cardiopulmonary Rehabilitation*, 14, 122-126.

Tasota, F., & **Wesmiller, S.** (1994). ABG's: Together, What They & The Patient Tell the Nurse. *Nursing94*, 24(5), 34-46.

*Scurba, F., Hoffman, L., **Wesmiller, S.**, et al. (1992). The Use of a Short Transtracheal Catheter I length in patients of small stature with restrictive lung Disease. *Chest*, 101(4) 1165-1167.

Reinke, L., Hoffman, L. & **Wesmiller, S.** (1992). Transtracheal Oxygen Therapy: An Alternative Delivery Approach. *Perspectives in Respiratory Nursing*, 3(3), 1-5.

*Hoffman, L., **Wesmiller, S.**, Scirba, F., Johnson, J., Ferson, P., Zullo, T., Dauber, J. (1992). Nasal Cannula and Transtracheal Oxygen Delivery: A comparison of patient response following six months use of each technique. *American Review of Respiratory Disease*, 145(4) 827-831.

Wesmiller, S. & Hoffman, L. (1992). Transtracheal Oxygen Tips. *Nursing92*, 22, 6, 8.

Hoffman, L., Reinke, L., **Wesmiller, S.** & Scirba, F. (1992). Airway Obstruction by a Mucus Ball from a Transtracheal Oxygen Catheter. *Chest*, 101, 6, 1740-1741.

*Hoffman, L., Johnson, J., **Wesmiller, S.**, Scirba, F., Mazzocco, M. & Dauber, J. (1990). Transtracheal Delivery of Oxygen: Efficacy and safety for long term continuous therapy. *Annals of Otolaryngology, Rhinology and Laryngology*, 100(2), 108-115.

***Wesmiller, S.**, Hoffman, L., Scirba, F., Dauber, J., Johnson, J. & Ferson P. (1990). Exercise Tolerance during Nasal Cannula and Transtracheal Oxygen Delivery. *American Review of Respiratory Disease* 141(3), 789-793.

Lindell, K. & **Wesmiller, S.** (1989). Interpretation of Acid-Base Balance using ABG's. *Orthopaedic Nursing*, 8(3), 31-34.

*DeMello, D., Hoffman, L., **Wesmiller, S.**, Zullo, T. (1989). Smoking & attitudes toward smoking among clinical nurse specialists; critical care nurses and medical- surgical nurses. *Oncology Nursing Forum*, 16(6), 795-799.

Wesmiller, S. & Hoffman, L. (1989). The care of the patient using Transtracheal Oxygen Delivery. *Nursing89*, 19(9) 43-45.

Wesmiller, S. & Hoffman, L. (1989). Assessing your patient's oxygenation status. *Orthopaedic Nursing*, 8(6), 49-53.

Hoffman, L. & **Wesmiller, S.** (1988). Home oxygen: Transtracheal and other options. *American Journal of Nursing*, 88(4) 464-469.

Openbrier, D., Hoffman, L. & **Wesmiller, S.** (1988). Home oxygen therapy: Evaluation and prescription. *American Journal of Nursing*, 88(2), 192-197.

Hoffman, L., Dauber, J. & **Wesmiller, S.** (1987). Transtracheal oxygen delivery: When and How. *Focus, Quality Home Health Care*, 7(1), 6-8.

Wesmiller, S. (1987). Transtracheal Oxygen: The nose knows the difference. *American Journal of Nursing*, 4, 421-422.

Wesmiller, S. (1987). Lively interest and debate surround the issue of transtracheal oxygen at the World Congress on oxygen therapy and home care. *Respiratory Times*, 2, 4, 1-3.

Book Chapters

Wesmiller, S. & Grayson, S. (2022). Inheritance Patterns. In: *Fun Facts: Genetics and Genomics*. Ed,

Subasic, K. New York: Springer Publishing. In press.

Stricker, C., & **Wesmiller, S.** (2015). Chemotherapy-induced Nausea and Vomiting. In: *A Guide to Oncology Symptom Management*, Ed. Brown, C. Pittsburgh, PA: Oncology Nursing Society.

Hoffman, L. & **Wesmiller, S.** (1991). Transtracheal Oxygen. *Portable Oxygen Therapy, including oxygen conserving devices*. B. L. Tiep, Editor. Mt. Kisco, NY: Futura Publishing Company.

Published Abstracts

Wesmiller, S., Harpel, C. (2021). Covid-19 influence on self-reported symptoms in women with breast cancer. *Supportive Care in Cancer*, **29**, S11. <https://doi.org/10.1007/s00520-021-06285-8>

Wesmiller, S., Conley, Y., Bender, C., Sereika, S. (2021). Self-reporting nausea and vomiting and co-occurring symptoms and their association with polymorphisms recognized as common data elements in women with breast cancer. *Supportive Care in Cancer* **29**, S55. <https://doi.org/10.1007/s00520-021-06285-8>

Rosenzweig, M., **Wesmiller, S.** Bender, C. (2016). Racial differential in pain and nausea during breast cancer chemotherapy. In: Proceedings of the Eighth AACR Conference on *the Science of Health Disparities in Racial/Ethnic Minorities and the Medically Underserved*; Nov 13-16, 2015;

Wesmiller, S. Conley, Y. Sereika, S. Henker, R., & Bender, C. (2013). Serotonin Transport Gene Polymorphisms and Nausea and Vomiting in Women with Breast Cancer Following Surgery and Before Adjuvant Therapy. *Oncology Nursing Forum* **40** (6), E456.

Wesmiller, S., Henker, R., Sereika, S., Ling, M., Donovan, H. & Conley, Y. (2012). The Genetics of Postoperative Nausea and Vomiting. *Journal of PeriAnesthesia Nursing*, **27**(3): e40.

PRESENTATIONS

International

Alexander, S. & **Wesmiller, S.** (November 2021). The Genetics of SarsCoV-2. Invited lecture. Annual meeting of the *International Society for Nurses in Genetics*, Held virtually, November 2021.

Wesmiller, S., Harpel, C. (April 2021). Covid-19 influence on self-reported symptoms in women with breast cancer. Podium presentation. Annual meeting of the *Multinational Association for Supportive Care in Cancer*. Held virtually.

Wesmiller, S., Conley, Y., Bender, C., Sereika, S. (April,2021). Self-reporting nausea and vomiting and co-occurring symptoms and their association with polymorphisms recognized as common data elements in women with breast cancer. Annual meeting of the *Multinational Association for Supportive Care in Cancer*. Held virtually.

Miaskowski, C., **Wesmiller, S.**, Davies, M., & Hammer, M. (October 2020). Invited panel presentation titled: "What's Next? Advancing Oncology Symptom Science Research." *The Bridge: Oncology Nursing Society Annual Conference*. Originally scheduled for San Antonio Texas, held virtually due to pandemic.

Wesmiller, S. Sereika, S., Bender, C., Skrovanek, E. & Conley, Y. (November 2019). The Association of Polymorphisms Identified as Common Data Elements with Symptoms Experienced by Women with

Breast Cancer. Presentation at the *International Society of Nurses in Genetics*, San Antonio, Texas.

Wesmiller, S., Conley, Y., Wang, J., Sereika, S., Bender, C. (November 2018). Examining the Effect of the Serotonin Transport Gene Polymorphism 5-HTTLPR on Depressive Symptoms in Postmenopausal Women for One Year after Treatment for Breast Cancer. Podium presentation at the 2018 annual meeting of the *International Society for Nurses in Genetics*, Orlando, Florida.

Wesmiller, S., Schmella, M. & Dorman, J. (August 2016) Using the Scholarship of Teaching and Learning Approach to Redesign an Undergraduate Genetics and Genomics Course for Nursing Students. 2016 annual meeting of the *International Society for Nurses in Genetics*, Dublin, Ireland.

Wesmiller, S. Bender, C., Sereika, S., Ahrendt, G., Bonaventura, M., Bovberg, D., & Conley, Y. (November 2015). Postoperative nausea among women: A genetic analysis of selected polymorphisms of genes of the emetic pathway. A podium presentation at the 2015 annual meeting of the *International Society for Nurses in Genetics*, Pittsburgh, PA.

Hoffman, S. Kaufman, R, Ferrari, S., Alexander, S., Rosenzweig, M., **Wesmiller, S.** (November 2015). Beyond BRCA, Improving Oncology Advance Practice Providers' Knowledge of Pharmacogenomic Testing. Annual meeting of the *International Society for Nurses in Genetics*, Pittsburgh, PA.

Wesmiller, S. (November 2014) Symptoms of Science: Nausea and Vomiting. Invited presentation, 2014 annual meeting of the *International Society for Nurses in Genetics*, Scottsdale, Arizona.

Wesmiller, S., Conley, Y., Sereika, S. (October 2012). The Association of an ECCR2 genotype and cognitive function in Postmenopausal Women with early Stage Breast Cancer Prior to Initiation of Adjuvant Therapy. Podium Presentation at the 2012 annual meeting of the *International Society for Nurses in Genetics*, Philadelphia, PA.

Wesmiller, S., Sereika, S., Henker, R., Donovan, H., Meng, L., Conley, Y. (October 2011) The Association of CYP2D6 and Postoperative Nausea and Vomiting in Postoperative Trauma Patients. Presented at the 2011 annual meeting of the *International Society for Nurses in Genetics*, Montreal, Canada.

Wesmiller, S., Henker, R., Sereika, S., Meng, L., Gruen, G., Tarkin, I., Conley, Y. (October 2009). The association between μ -opioid receptor genotypes and nausea in orthopedic trauma patients. Presentation at the annual meeting of the *International Society for Nurses in Genetics* (ISONG), San Diego, CA.

Wesmiller, S & Hoffman, L. (February,1987). Subcutaneous emphysema following transtracheal catheter - A report of four cases. *World Congress on Oxygen Therapy & Home Care*, Denver, CO.

National

Wesmiller, S. (December 2021). Pandemic Challenges and Pivots for Research. Presented as a *Council for Advancement of Nursing Science* National Webinar.

Wesmiller, S. Measuring the Effect of Sars-CoV2 on a Longitudinal Study. (October 2021). COVID Information Commons Program, Webinar sponsored by Columbia University.

Skrovanek, E., Dunbar-Jacob, J. & **Wesmiller, S.** (September 2018). Reproductive Decision Making in Women who are BRCA Positive. Podium presentation at the *Council for the Advancement of Nursing Science (CANS)* Conference, Washington, DC.

Wesmiller, S. (June,2017). Genomic Predictors of Treatment Induced Nausea and Vomiting. *Annual Scientific Retreat, University of Pittsburgh Cancer Institute*. Pittsburgh, PA.

Kudach, C., Henker, R., & **Wesmiller, S.** (April,2017). The Influence of Individual Factors and Common Variants of catechol-O-methyltransferase on Symptoms Experienced by Postoperative Orthopedic Patients. Podium presentation at the *2017 National Conference for Undergraduate Research*, Memphis, Tenn.

Wesmiller, S., Sereika, S., Bender, C & Conley, Y. (September,2016) Exploring the Individual Variation of Treatment Induced Nausea in Women with Breast Cancer. Podium presentation at the *Council for the Advancement of Nursing Science (CANS) Conference*, Washington, DC.

Rosenzweig, M., **Wesmiller, S.** Bender, C. (October,2015). Racial differential in pain and nausea during breast cancer chemotherapy. *Eighth AACR Conference on the Science of Health Disparities in Racial/Ethnic Minorities and the Medically Underserved*; Nov 13-16, 2015; Atlanta, GA. Philadelphia (PA): AACR; *Cancer Epidemiol Biomarkers Prev* 2016; 25(3 Suppl): Abstract C11.

Wesmiller, S., Mathis, H., Bender, C., Sereika, S., Ahrendt, G., Bonaventura, M., Bovberg, D., & Conley, Y. (October,2015). Presented at *Biology and Control of Nausea and Vomiting 2015*. Pittsburgh, PA. The second NIH Funded Conference to bring together researchers involved with nausea and vomiting. Pittsburgh PA.

Kudach, C. & **Wesmiller, S.** (April 2016). The Relationship of Age to Postoperative Symptoms in Women following surgery for Breast Cancer. Presentation at the *2016 National Conference for Undergraduate Research*, University of North Carolina, Asheville, NC.

Wesmiller, S., Conley, Y., Sereika, S, Ahrendt, G; Bonaventura, M., Bovbjerg, D., & Bender, C. A (September 2014) Prospective Study of the Variability of Genes of the Serotonin Pathway and Postoperative Nausea and Vomiting in Women with Breast Cancer. Podium presentation at the *Council for the Advancement of Nursing Science (CANS) Conference*, Washington, DC.

Wesmiller, S., Conley, Y., Sereika, S, Ahrendt, G; Bonaventura, M., Bovbjerg, D., & Bender, C. A. (November, 2013). Prospective Study of the Variability of Genes of the Serotonin Pathway and Postoperative Nausea and Vomiting in Women with Breast Cancer. Podium presentation at the annual research meeting of the *Oncology Nursing Society, Connections*. Dallas, Texas.

Wesmiller, S., Conley, Y., Sereika, S. Bender, C. (October, 2013). Serotonin Transport Gene Polymorphisms and Nausea and Vomiting in Women with Breast Cancer Following Surgery and Before Adjuvant Therapy. Poster presentation at the *Council for the Advancement of Nursing Science (CANS) Conference*, Washington, DC.

Wesmiller, S., Conley, Y., Sereika, S., Ahrendt, G., Bovbjerg, D., Bonaventura, M., & Bender, C. (October, 2013). Postoperative nausea and vomiting among women with breast cancer: A genetic analysis of selected polymorphisms of genes of the serotonin pathway. Presented at *Biology and Control of Nausea and Vomiting 2013*. Pittsburgh, PA. An NIH Funded Conference to bring together researchers involved with nausea and vomiting.

Wesmiller, S., Conley, Y., Sereika, S. Bender, C. (November, 2012). Serotonin Transport Gene Polymorphism and Nausea and Vomiting in Women with Breast Cancer Following Surgery and Before Adjuvant Therapy. Podium presentation at the *Oncology Nursing Society Connections Research Conference*. Phoenix, AZ.

Wesmiller, S., Henker, R., Sereika, S., Donovan, H., Meng, L. & Conley, Y. (2012). The Genetics of Postoperative Nausea and Vomiting. *Journal of PeriAnesthesia Nursing*, 27(3), e40.
DOI:10.1016/j.jopan.2012.04.014 Podium presentation at the 2012 meeting of the *American Society for PeriAnesthesia Nursing*, Orlando, Florida.

Wesmiller, S., Sereika, S., Henker, R., Meng, L., Gruen, G., Tarkin, I., Pape, H., Conley, Y. Association of CYP2D6 and PONV in Postoperative Trauma Patients. (October 2010) Podium presentation at *Council for the Advancement of Nursing Science, 2010 National State of the Science Congress on Nursing Research*, Washington, D.C.

Henker, R., **Wesmiller, S.**, Brown, A., Sereika, S. Meng, L., Gruen, G., Tarkin, I., Pape, H., Conley, Y. (September 2007). The association between μ opioid receptor genotypes and nausea in orthopedic trauma patients. Paper presented at Council for the Advancement of Nursing Science, 2008 National State of the Science Congress on Nursing Research, Washington, D.C.

Wesmiller, S. & Feiler, C. Using Technology in Nursing Education. Two-hour workshop presented at the 2007 *National Nursing Staff Development Organization* annual meeting. Atlanta. Georgia.

Shearn, D. & **Wesmiller, S.** (2004). True Collaborative Practice - Pulling Together Resources from Service and Academia to Support Hospital Wide Initiatives. Presentation at the 2004 *Organization of Nurse Executives Annual Meeting*, Las Vegas, Nevada. Blue Ribbon Award.

Wesmiller, S. (November 2001). Integrating Educational programs across a Health System. Invited speaker, Duke and University of North Carolina sponsored Conference on Excellence in Staff Development. Raleigh, NC.

Wesmiller, S. (March,1993). Alternative methods of oxygen delivery: What your patient needs to know. *Annual Meeting of the Respiratory Nurses Society*, Chicago, Ill.

Wesmiller, S., Hoffman, L. (May,1992). Evaluation of a Device to Assist Ambulation in Oxygen Dependent Patients with COPD. Annual meeting of the *American Thoracic Society*, Miami, Florida.

Wesmiller, S., Zullo, T. & Hoffman, L. (November,1991). Evaluation of a Device to Assist Ambulation in Oxygen Dependent Patients with COPD. Annual meeting of the *American Association of Cardiovascular Pulmonary Rehabilitation*. Long Beach, CA.

Hoffman, L., **Wesmiller, S.**, Zullo, T., Ferson, P., Johnson, J. & Scuriba, F. (May,1991). Quality of Life in COPD Patients using Transtracheal Oxygen: A Qualitative Study. *American Thoracic Society*, Anaheim, CA.

Wesmiller, S., Zullo, T. & Hoffman, L. (November,1990). Wheelchair Support during Twelve-Minute Walk Test in Patients with COPD. Annual meeting, *American Association of Cardiovascular Pulmonary Rehabilitation*. Dallas, Texas.

Wesmiller, S., Scuriba, Zullo, T. & Hoffman, L (May,1988). Twelve-minute walk distance during nasal cannula and transtracheal oxygen delivery. Research presentation. Annual meeting, *American Thoracic Society*, Las Vegas, NV.

Wesmiller, S., Zullo, T., Scuriba, F., & Hoffman, L. (May,1987). Exercise tolerance during nasal cannula and transtracheal oxygen administration. Research presentation. Annual meeting, *American Thoracic Society*, New Orleans, LA.

Wesmiller, S. (May 1985). Coping with Lung Cancer. Sunrise Seminar, Annual Meeting, American Thoracic Society, Anaheim, CA.

Wesmiller, S., Vevaro, P., Zullo, T. & Hoffman, L. (May,1984). Changes in patients' performance status and self-care ability following thoracotomy for bronchogenic carcinoma. Research presentation. Annual meeting, *American Thoracic Society*, Miami.

Regional

Wesmiller, S. (June 2022). Treatment Induced Nausea and Vomiting in Women with Breast Cancer: An update of genetic predictors and co-occurring symptoms. Guest speaker at. BRAIN, BEHAVIOR, AND CANCER Sponsored by *The Biobehavioral Cancer Control Program UPMC Hillman Cancer Center*

Wesmiller, S. (March 2016). The Relationship of Age to Postoperative Symptoms tin Women following surgery for Breast Cancer.Sigma Theta Tau, Eta Chapter, Scholar Days. Presentation with Christina Kudach.

Wesmiller S. (November 2015) Annual UPCI Womens Cancer Research Center Scientific Retreat, Nemaocolin, PA.

Serotonin transport gene polymorphisms and nausea and vomiting in women with breast cancer following surgery and prior to adjuvant therapy.

Wesmiller, S. (June 2013). Serotonin transport gene polymorphisms and nausea and vomiting in women with breast cancer following surgery and prior to adjuvant therapy. Annual UPCI Scientific Retreat, Pittsburgh PA.

Wesmiller, S. (March 2008) Loaned Faculty Initiative. Pa Center for Health Careers first annual conference. Redefining Excellence. Presented with Helen Burns, RN, PhD. Hershey, PA.

Wesmiller, S. (September 2000). Development of a Successful Welfare to Work Program. Commonwealth of Pennsylvania, Annual Welfare Program Meeting, Harrisburg, PA.

Wesmiller, S. (September 1994). Pulmonary Rehabilitation. Annual Meeting Scientific Session of the Pennsylvania Thoracic Society. Philadelphia, PA.

SCHOLARLY ACTIVITIES

2022	Ad Hoc Reviewer for the NIH Diversity K01 & MOSAIC K99 study section
2019 – 2020	Ad Hoc Reviewer for the NIH Nursing and Related Clinical Sciences Study Section (NRCS).
2012 - Present	Reviewer for the <i>Journal of PeriAnesthesia Nurses</i>
2015 – Present	Reviewer for <i>Biological Research in Nursing</i>
2015 – Present	Reviewer for <i>Oncology Nursing Forum</i>
2016 – Present	Reviewer for PLOS Guest Editor for "Effects of palonosetron for prophylaxis of postoperative nausea and vomiting in high-risk patients undergoing

total knee arthroplasty: A prospective, randomized, double-blind, placebo-controlled study.”

2008 - 2018	Reviewer for the <i>Journal of Continuing Education in Nursing</i>
2014- 2016	Planning Committee for two International Conferences on the Biology of Nausea and Vomiting, NIH funded and sponsored by the University of Pittsburgh Cancer Institute.
2006 - 2011	Workforce Investment Board, Department of Labor and Industry, State of PA Clinical Education Committee
2003 - 2011	University of Pittsburgh Institutional Review Board
2007 - 2009	Lifelong Learning in Medicine and Nursing Initiative – An extension of the Josiah Macy Foundation Continuing Education in the Health Professions: Improving Healthcare through Lifelong Learning. This National Committee met annually to focus on integrating continuing education in the health sciences.

ACADEMIC TEACHING ACTIVITIES

Current Teaching Responsibilities			
Course Title	Years	Number of Students	Primary Teacher
NUR 001 Freshmen Seminar	2021-Present	19/term	Section Leader
NUR 1680 Introduction to Human and Molecular Genetics	2014- Present	100 /Term	Yes
NUR 2682 Clinical Genomics for Advanced Practice Nurses	2019- 2023	55/ Term	Yes
NUR 2680A Online Version of NUR2680	2019- Present	Max 20 Term	Yes
NUR 2681 Advanced Topics in Human Genetics	2015 to Present Offered every other year	6-12	No Yvette Conley, PhD
NUR 1635			No

Ethics in Nursing	2016- Present	50 /Term (Offered each Term)	Guest Lecture for Ethics of Genetics Chris Imes, PhD
Previous Courses Where I was the Primary Teacher			
NUR 1635 Ethics in Nursing	2013-2016	50/Term	Yes
NUR 0067 Introduction to Nursing Research	1992-2001 2017- 2020	70-100/Term	Yes
NUR 0082/1282 Medical Surgical Nursing	2010-2011	120/Term	Yes

FORMAL MENTORSHIP OF STUDENTS

Years	Name of Student	Program	Title of Dissertation or Project	Status
2020 -	Susan Walborn Grayson, RN, BSN	PhD	Focus is on instability of cancer cells and psychoneurological symptoms	Current Student
2018-2022	Karen A. Alsbrook, RN, MSN	PhD	Barriers for Effective Pain Management in Older women with Breast Cancer	Postdoctoral Work MDAnderson
2017-2020	Elizabeth Skrovaneck, PhD	PhD	The Emotional Aspect of Reproductive Decision Making in Women who are BRCA+	Faculty Duquesne University
2018-2020	Meaghan Maydick, DNP, RN, FNP	DNP	Implementation and Evaluation of a High-Risk Screening Tool for Breast Cancer in Primary Care	DNP, CRNP at UPMC
2017-2019	Elyse Tedechi, DNP, RN, CRNA	DNP	Reducing the incidence of post-operative complications with the use of Sugammadex	CRNA at Washington Hospital

			vs. typical reversal agents after general anesthesia	Adjunct Faculty
2014-2016	Samuel Hoffman, DNP, CRNP	DNP	Beyond BRCA- A program to increase awareness of genetic testing for Oncology Nurses	Practicing DNP and Adjunct faculty

UNIVERSITY SERVICE

University Committees

2022- Present	Elected Member, University Senate Athletics and Recreation Committee
2016- 2022	Elected Member, University Senate Student Admissions, Aid and Affairs Committee.
2021	Elected Associate Professor Representative, School of Nursing Dean's Search Committee
2002 – 2012	Member, University of Pittsburgh Institutional Review Board

School of Nursing Committees

2011 - Present	BSN Council
2018 - Present	DNP Council
2017 - Present	PhD Council
2018 - Present	Chair, PhD Curriculum Committee
2021 –Present	Planning & Budget Committee
2022	Elected Associate Professor to serve on the Dean's Search Committee
2017 - Present	Faculty Co-Advisor, Student Nurses Association of the University of Pittsburgh

COMMUNITY ACTIVITIES

Jumonville Training and Retreat Center, Hopwood, PA
Elected Member, Board of Directors
Program Committee Chair
2021 - present

Volunteer, Alzheimer's Association 2017-present
Annual Walk Committee member for Clarion PA.

United Way of Allegheny County
Member, Women's Leadership Initiative 2000 to present.
Pitt Women's Leadership Council – Serving meals at Bethlehem Haven, Pittsburgh, PA.

Western Pennsylvania United Methodist Foundation – Board Member, 2004-2021
Vice Chair – 2008 – 2010
Chairperson 2010 – 2012

Past Chair and Chair of Compensation Committee, 2012 - 2015

Mt. Lebanon United Methodist Church 1980 – present

Parrish Nursing Committee

Past member, Board of Trustees