

CURRICULUM VITAE

Name: Susan Grayson, PhD, MPH, RN
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EDUCATION

2016-2020	University of Pittsburgh School of Nursing Pittsburgh, PA	BSN	Nursing Minor in Legal Studies
2020-2024	University of Pittsburgh School of Nursing Pittsburgh, PA	PhD	Nursing
2024-2025	Johns Hopkins Bloomberg School of Public Health Baltimore, MD	MPH	Public Health Epidemiology/Biostatistics

RESEARCH TRAINING

2020-2024	University of Pittsburgh School of Nursing T32 NR009759		Predocctoral Scholar T32 NR009759 Targeted Research and Academic Training Program for Nurses in Genomics
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APPOINTMENTS AND POSITIONS

2025-present	Loyola University Chicago Marcella Niehoff School of Nursing Health Systems and Adult Health Nursing		Assistant Professor
2024-2025	National Institutes of Health National Cancer Institute Department of Cancer Prevention		Cancer Prevention Fellow
2020-2024	University of Pittsburgh School of Nursing		Teaching Fellow NUR 1680: Intro to Genetics and Molecular Therapeutics NUR 1667: Nursing Research
2023	University of Pittsburgh Medical Center Physical Medicine and Rehabilitation		Professional Staff Nurse Outpatient
2021-2023	University of Pittsburgh School of Nursing		Graduate Student Researcher

2017 Loyola University Chicago
Stritch School of Medicine
Department of Pathology Research Associate

LICENSURE

Registered Nurse, Pennsylvania, RN736359 2020-present
Registered Nurse, Illinois, 041.591221 2025-present

RESEARCH

(2022-2023) *“Psychoneurological Symptoms and Their Association with Markers of Genomic Instability from Circulating Tumor DNA in Metastatic Breast Cancer.”*

Sigma Theta Tau Eta Chapter Jacqueline Dunbar Jacob Research Award, Principal Investigator
Total award \$1000.00

(2022-2023) *“Psychoneurological Symptoms and Their Association with Markers of Genomic Instability from Circulating Tumor DNA in Metastatic Breast Cancer.”*

Nightingale Awards of PA PhD Scholarship, Principal Investigator
Total award \$7500.00

(2022-2023) *“Psychoneurological Symptoms and Their Association with Markers of Genomic Instability from Circulating Tumor DNA in Metastatic Breast Cancer.”*

Ruth and Bill Fincke PhD Student Research award, Principal Investigator
Total Award: \$2500.00

HONORS and AWARDS

September 2022 Bessie Li Sze Memorial Scholarship Fund Award
April 2022 Sigma Theta Tau Eta Chapter Ruth Perkins Kuehn Award
May 2022 Oncology Nursing Foundation Research Doctoral Student Scholarship
April 2020 Outstanding Undergraduate Student Award in the category for outstanding research
University of Pittsburgh School of Nursing

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2020 - Present **International Society of Nurses in Genetics (ISONG)**
Student Member Representative 2022-2023
Student poster competition coordinator 2022-2023
Outreach and engagement committee 2022-2023
Coordinator for Congress Student Correspondent’s program 2022-2023

2020 - Present **Oncology Nursing Society**

2018 - Present **Sigma Theta Tau International and Eta Chapter**

PUBLICATIONS

Peer Reviewed Articles

*** indicates data-based articles**

- ***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.
- *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*, 64(6), 555–566. <https://doi.org/10.1016/j.jpainsymman.2022.08.018>; PMID: 36096320
- Grayson SC**, Patzak SA, Dziewulski G, Shen L, Dreisbach C, Lor M, Conway A & Koleck TA (2023). Moving beyond Table 1: A critical review of the literature addressing social determinants of health in chronic condition symptom cluster research. *Nursing Inquiry*, 30(1), e12519. <https://doi.org/10.1111/nin.12519>. PMID: 36283980
- Grayson SC**, Cummings MH, Wesmiller S & Bender C (2023). The cancer genomic integration model for symptom science (CGIMSS): A biopsychosocial framework. *Biological Research for Nursing*, 25(2), 210–219. <https://doi.org/10.1177/10998004221132250>; PMID: 36206160
- *Wesmiller SW, Bender CM, **Grayson SC**, Harpel CK, Alsbrook K, Diego E, McAuliffe PF, Steiman JG & Sereika SM (2023). Postdischarge nausea and vomiting and co-occurring symptoms in women following breast cancer surgery. *Journal of Perianesthesia Nursing*, 38(3), 478–482. <https://doi.org/10.1016/j.jopan.2022.08.014>. PMID: 36635124; PMCID: PMC10200720
- Ray M, Wallace MK, **Grayson SC**, Cummings MH, Davis JA, Scott J, Belcher SM, Davis TS & Conley YP (2023). Epigenomic links between social determinants of health and symptoms: A scoping review. *Biological Research for Nursing*, 25(3), 404–416. <https://doi.org/10.1177/10998004221147300>. PMID: 36537264; PMCID: PMC10404910
- ***Grayson S**, Sereika S, Conley Y, Bender C, Carr K & Wesmiller S (2023). Psychoneurological symptom cluster trajectories in individuals treated for early-stage breast cancer. *Supportive Care in Cancer*, 31(10), 563. <https://doi.org/10.1007/s00520-023-08018-5>. PMID: 37676346
- ***Grayson S**, Sereika S, Conley Y, Lee A, Oesterreich S, Koleck T, Rosenzweig M, Liu T, & Wesmiller S (2024). The psychoneurological symptom cluster and its association with breast cancer genomic instability. *Oncology Nursing Forum*, 51(4). DOI: 10.1188/24.ONF.391-403. PMID: 38950095
- Koleck TA, Dreisbach C, Zhang C, **Grayson S**, Lor M, Deng Z, Conway A, Higgins PDR & Bakken S (2024). User guide for Social Determinants of Health Survey data in the All of Us Research Program. *Journal of the American Medical Informatics Association*, Advance online publication. DOI: 10.1093/jamia/ocae214. PMID: 39190874

Book Chapters

Wesmiller S & **Grayson S** (2022). Inheritance Patterns. In: Fast Facts: Genetics and Genomics. Ed, Subasic, K. New York: Springer Publishing.

PRESENTATIONS

International

Grayson S (2023). Leveraging Cell-Free DNA: Incorporating Liquid Biopsies into Nursing Research. Invited expert lecture at the 2023 International Society of Nurses in Genetics World Congress, Providence, RI.

Grayson S, Conley Y, Wesmiller S (2021) Psychoneurological symptoms and the serotonin-transporter linked polymorphic region in patients with breast cancer. 2021 International Society of Nurses in Genetics Congress, held virtually.

Grayson S, Wesmiller S, Sereika S. (2021) Factors associated with sleep disturbance in women undergoing treatment for early-stage breast cancer. Oncology Nursing Society Congress, held virtually.

National

Koleck TA, Dreisbach C, Leggio K, **Grayson S**, Conway A, & Lor M (2023). Promoting health equity research: A practical guide to using the social determinants of health survey in the All of Us Research Program. Poster presentation at the 2023 Council for the Advancement of Nursing Science Advanced Methods Conference, held virtually.

Dreisbach C, **Grayson S**, Leggio K, Conway A & Koleck T (2023). Predictors of Unrelieved Symptoms in Individuals with Chronic Conditions: The Relevance of the All of Us Research Program Survey Data to Interdisciplinary Care. Poster presentation at the American Academy of Physician Associates, Nashville, TN.

Dreisbach C, **Grayson S**, Lor M, Leggio K, Conway A & Koleck T (2023). Data User Guide for Social Determinants of Health Survey Data in the *All of Us* Research Program. Podium presentation at the American Medical Informatics Association Annual Symposium, New Orleans, LA.

Grayson S, Patzak S, Dziewulski 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.

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.

Walborn S, Wesmiller S, Conley Y (2020). Influence of variation in the serotonin transporter gene promoter region (5HTTLPR) on depressive symptoms in women undergoing treatment for breast cancer. National Conference on Undergraduate Research. Bozeman, MO. Abstract accepted, conference cancelled due to Covid-19 crisis.

Walborn S, Walborn A, Hoppensteadt D, Maia P, Green W, Wegrzyn G, Mosier M, Fareed J (2017).

Upregulation of cortisol in sepsis and its association with markers of hemostatic dysregulation. American Society of Hematology Annual Meeting. December 2017, Atlanta, GA.

Walborn A, Wegrzyn G, **Walborn S**, Maia P, Mosier M, Hoppensteadt D, Rondina M, Fareed J (2017). Biomarkers of endothelial function in sepsis-associated disseminated intravascular coagulation. American Society of Hematology Annual Meeting, Atlanta, GA

Wegrzyn G, Hoppensteadt D, Walborn A, Maia P, **Walborn S**, Green W, Mosier M, Rondina M, Fareed J (2017). Biomarkers of platelet activation and their prognostic value in patients with sepsis associated coagulopathy. American Society of Hematology Annual Meeting, Atlanta, GA.

Regional

Grayson S, Benjasirisan C, Zhang Z, Sheng J, Carducci M, Bodurtha J, Lukkahatai N (2025). Factors associated with objective and subjective cognitive function in adults with solid tumors. Poster presentation at the Sidney Kimmel Cancer Center Trainee Research Day, Baltimore, MD.

Grayson S, Wesmiller S, Sereika S (2023). Psychoneurological symptom cluster trajectories in individuals treated for early-stage breast cancer. School selected student poster presentation at the Eastern Nursing Research Society Annual Meeting, Philadelphia, PA.

***Walborn S is former last name**

SCHOLARLY ACTIVITIES

2023 - Present Reviewer for *Supportive Care in Cancer*
 2022 - Present Reviewer for *The Western Journal of Nursing Research*
 2022 - 2023 Reviewer for the *Journal of Nursing Doctoral Student Scholarship*

ACADEMIC TEACHING ACTIVITIES

Teaching Responsibilities			
Course Title	Years	Number of Students	Role
GNUR 293 Pathophysiology	2025-present	40/ Term	Primary Instructor
NUR 1680 Introduction to Human and Molecular Genetics	2020-2023	100 /Term	Teaching Fellow Primary Instructor Susan Wesmiller, RN, PhD, FAAN

NUR 1667 Nursing Research: An Introduction to Critical Appraisal and Evidence Based Practice	2023-2024	100 /Term	Teaching Fellow Primary Instructor Theresa Koleck, PhD, RN
NUR 1680 Introduction to Human Genetics and Molecular Therapeutics	2023-2024	100 /Term	Guest Lecturer “Cancer Genetics” and “Epigenetics” Primary Instructor Susan Wesmiller, RN, PhD, FAAN
NUR 1667 Nursing Research: An Introduction to Critical Appraisal and Evidence Based Practice	2020-2024	100 /Term	Guest Lecturer “Nursing Research Career Paths” Primary Instructor Theresa Koleck, PhD, RN
NUR 3292 Responsibilities and Activities of the Nurse Scientist II	2023-2024	10 /Term	Guest Lecturer “Practical Guide to Writing an F31 Application” Primary Instructor Faith Luyster, PhD
Online module for the integration of social determinants of health and omics research	2023	N/A (asynchronous online module)	Developed content and coordinated collaborators for module delivery
Equity in Design Thinking: online module	2021	N/A (asynchronous online module)	Developed and delivered content on community based participatory research and design of accessible research spaces

University Committees

2022 - 2024 Member, University Council for Graduate Studies
Guidance on Graduate Mentoring and Advising subcommittee co-chair