

FACULTY CURRICULUM VITAE

Nicole Danielle Osier
Assistant Professor

The University of Texas at Austin
School of Nursing

EDUCATION

BS	Michigan State University, East Lansing, MI, Nutritional Science	2008
BSN	Michigan State University, East Lansing, MI, Nursing	2010
PhD	University of Pittsburgh, Pittsburgh, PA, Nursing (Genomics)	2016
Post-Doc	National Institutes of Health, Bethesda, MD, Nursing (Biomarkers)	2017

LICENSURE

Registered Nurse (MI, 2010 - 2011)
Registered Nurse (PA, 2011 - present)
Registered Nurse (TX, 2017-present)

PROFESSIONAL EXPERIENCE

The University of Texas at Austin, School of Nursing

Director, Biobehavioral Core of St. David's CHPR	2017 - Present
Assistant Professor, Holistic Adult Health Division	2017 - Present

The University of Texas at Austin, Dell Medical School

Assistant Professor, Department of Neurology	2017 - Present
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HONORS AND SPECIAL AWARDS

Outstanding Young Graduate Award, University of Pittsburgh School of Nursing	
2018	
Nursing Section Travel Grant, Society for Critical Care Medicine	2018
Professional Development Award, Society for Critical Care Medicine TX Chapter	2018
Rising STARs Award, University of Texas System	2017-2019
Recent Graduate Award, Michigan State University College of Nursing	2017
Fellow, Emerging Nurse Scholars Forum, Bloomberg School of Nursing	2017
Fellow, NextProf: Science 2017, University of Michigan	2017
Fellow, Young Investigators Colloquium, American Psychosomatic Society	2017
Fellow, Translational Science Training Program, National Institutes of Health	2017
Summer Mentor Award Recipient, National Institutes of Health	2016
National Neurotrauma Society Travel Grant	2016
Recognition Award: Rising Star, Sigma Theta Tau International Eta Chapter	2016
Rising Star of Research & Scholarship, Sigma Theta Tau International	2016
Ruth Perkins Kuehn Award, Sigma Theta Tau International Eta Chapter	2016
Top poster in Neurological Surgery at The Safar Symposium	2016
Inductee, Leadership Council, Graduate Student Nursing Academy	2015
Winner, AACN GNSA My 2020 Vision for Nursing Video Contest	2015
Top abstract in Leadership/Training, University of Pittsburgh Doctoral Directions	2015
Fellow, Big Data Boot Camp, National Institute of Nursing Research	2014
Margaret Wilkes Scholarship, University of Pittsburgh School of Nursing	2013
Margaret Wilkes Scholarship, University of Pittsburgh School of Nursing	2012
Fellow, Summer Genetics Institute, National Institute of Nursing Research	2012
Summer Support Fellowship, Michigan State University College of Nursing	2011

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Rasmussen Graduate Fellowship, Michigan State University College of Nursing	2010
College of Nursing Graduate Fellowship, Michigan State University College of Nursing	2010
Gilbert & Leona Schumann Scholarship, Michigan State University College of Nursing	2010
MSU Graduate Office Fellowship, Michigan State University College of Nursing	2010
Inductee, into Nursing Honor Society, Sigma Theta Tau International	2010
Maron Stewart Scholarship, Mid-Michigan Mensa Chapter	2009
Karen Cooper Memorial Scholarship, National Mensa Organization	2009
Nursing Endowed Scholarship, Michigan State University College of Nursing	2009

RESEARCH GRANTS – FUNDED & ACTIVE

Principal Investigator:

2018-2020 Strategic biobanking and -omic analysis of 2 neurological cohorts to understand mechanisms of sleep, fatigue, pain, & affective wellbeing. The National Institutes of Health Loan Repayment Program. Application funded by The National Institute of Nursing Research. \$27,083.24 total costs.

2018-2019 Inflammatory proteins after pediatric TBI: A biobanking feasibility study. St. David's Center for Health Promotion and Disease Prevention Research in Underserved Populations. \$30,000 direct costs.

2018-2019 Dell Medical School Recycling. The Green Fund Grant Program. \$1,000 direct costs.

2018-2019 Exploring Interleukin (IL)-15, , and IL-33 Levels in Traumatic Brain Injury: Potential for Injury Diagnosis and Psychiatric Symptom Prognosis, Heilbrunn Family Center for Research Nursing. \$25,000 direct costs.

EDUCATIONAL GRANTS – FUNDED AND ACTIVE

Principal Investigator:

2018 Faculty Innovation Center Microgrant, University of Texas at Austin, Q-Ball microphone purchased.

RESEARCH PROJECTS COMPLETED

Principal Investigator:

2015-2016 Nicole Osier. Melatonin Dose Response in Mice Following Traumatic Brain Injury, Walter L. Copeland Fund of the Pittsburgh Foundation. \$8,000 direct costs. Principal Investigator. 6 publications, 7 presentations.

2014-2016 Nicole Osier. Mechanism of Melatonin-induced Neuroprotection in Traumatic Brain Injury (F31NR014957), NIH F31. \$85,352 total costs. Principal Investigator. 10 publications, 10 presentations.

2014-2016 Nicole Osier. Melatonin Dose Response in Mice Following Traumatic Brain Injury, Neurotrauma Nursing Foundation and the American Association of Neuroscience Nursing. \$8,435 direct costs. Principal Investigator. 7 publications, 9 presentations.

2014-2016 Nicole Osier. Melatonin Dose Response in Mice Following Traumatic Brain Injury Effects of Melatonin on Functional Outcomes in a Mouse Model of Brain Injury, Sigma Theta Tau International Eta Chapter. \$2,500 direct costs. Principal Investigator. 7 publications, 9 presentations.

2014-2015 Nicole Osier. Effect of Genotype on Response to Melatonin Therapy in Traumatic Brain Injury, International Society for Nurses in Genetics. \$2,500 direct costs. Principal Investigator. 6 publications, 8 presentations.

2014-2015 Nicole Osier. Mechanism of Melatonin-Induced Neuroprotection After Traumatic Brain Injury, Walter L. Copeland Fund of the Pittsburgh Foundation. \$10,000 direct costs. Principal Investigator. 6 publications, 9 presentations.

2014-2015 Nicole Osier. M A Pre-Clinical Study of the Effects of Melatonin Therapy on Symptoms following Acute Brain Injury, University of Pittsburgh School of Nursing Wilkes Fund. \$5,083 direct costs. Principal Investigator. 4 presentations.

Other Research Roles:

2011-2014 Yvette Conley. Targeted Research and Academic Training of Nurses in Genomics (T32NR009759), NIH T32. \$2,087,829 total costs. Trainee.

11 publications, 11 presentations.

PUBLICATIONS – Published/In-Press Peer-Reviewed Articles (*= Data-Based; ‡=corresponding)

Student Mentoring Key: [§ = PhD student; £ = research assistant; ¥ = undergraduate student]

Osier, N., ¥McGreevy, E., ¥Pham, L., Puccio, A., Ren, D.; Conley, Y.P., Alexander, S., Dixon, C.E. Melatonin as a Therapy for Traumatic Brain Injury: A Review of Published Evidence. *International Journal of Molecular Sciences* 2018, 19, 1539.

*Gill, J., ¥Motamedi, V., Osier, N., Dell, K., Arcurio, L., Carr, W., Walker, P., Ahlers, S., LoPresti, M., & Yarnell, A. (2017). Moderate blast exposure results in increased IL-6 and TNF α in peripheral blood. *Brain Behavior & Immunity*, 65, 90-94. doi: 10.1016/j.bbi.2017.02.015

*Gill, J., Cashion, A., Osier, N., Arcurio, L., ¥Motamedi, V., Dell, K., Carr, W., Kim, H.-S., Yun, S., Walker, P., Ahlers, S., LoPresti, M., & Yarnell, A. (2017). Moderate blast exposure alters gene expression and levels of amyloid precursor protein. *Neurology: Genetics*, 3(5), e186. doi: 10.1212/NXG.000000000000186.

Osier, N., & Dixon, C. E. (2017). Mini review of controlled cortical impact: A well-suited device for concussion research. *Brain Sciences*, 7(7), e88. doi: 10.3390/brainsci7070088

*Osier, N., ¥Pham, L., ¥Pugh, B., Puccio, A. M., Ren, D., Conley, Y. P, Alexander, S., & Dixon, C. E. (2017). Brain injury results in lower levels of melatonin receptors subtypes MT1 and MT2. *Neuroscience Letters*, 650, 18-24.

*Osier, N. D., Bales, J. W., ¥Pugh, B., Shin, S., Wyrobek, J., Puccio, A. M., Okonkwo, D. O., Ren, D., Alexander, S., Conley, Y. P., & Dixon, C. E. (2017). Variation in PPP3CC is associated with long-term recovery after severe brain injury. *Journal of Neurotrauma*, 34(1), 86-96. doi: 10.1089/neu.2015.4343

Osier, N. D., ¥Pham, L., ¥Savarese, A., §Sayles, K., Alexander, S. A. (2016). Animal models in genomic research: Techniques, applications, and roles for nurses. *Applied Nursing Research*, 32, 247-256.

Osier, N. D., Imes, C. C., Khalil, H., Zelazny, J., Johansson, A. E., & Conley, Y. P. (2017). Symptom science: Repurposing existing Omics data. *Biological Research for Nursing*, 19(1): 18-27. doi: 10.1177/1099800416666716

- Osier, N., & Dixon, C.E. (2016). The Controlled Cortical Impact Model of Experimental Brain Trauma: Overview, research applications, and protocol. *Methods in Molecular Biology*, 1462, 177-192.
- Osier, N. D., & Dixon, C. E. (2016). The Controlled Cortical Impact Model: Applications, considerations for researchers, and future directions. *Frontiers in Neurology*, 7, 134. doi: 10.3389/fneur.2016.00134
- Osier, N. D., & Dixon, C. E. (2016). Catecholaminergic based therapies for functional recovery after TBI. *Brain Research*, 1640(A), 15-35.
- *Goode, R. W., Ye, L., Sereika, S. M. Zheng, Y., Mattos, M., Acharya, S. D., Ewing, L. J., Danford, C., Hu, L., Imes, C. C., Chasens, E., Osier, N., Mancino, J., Burke, L. E. (2016). Socio-demographic, anthropometric, and psychosocial predictors of attrition across behavioral weight-loss trials. *Eating Behaviors*, 20, 27-33.
- Osier, N. D., Carlson, S. W., ¥DeSana, A., & Dixon, C. E. (2015). Chronic histopathological and behavioral outcomes of experimental traumatic brain injury in adult male animals. *Journal of Neurotrauma*, 32(23), 1861-1882.
- Bondi, C. O., Semple, B. D., Noble-Haesslein, L. J., Osier, N. D., Carlson, S. W., Dixon, C. E., Giza, C. C., & Kline, A. E. (2015). Found in translation: Understanding the biology and behavior of experimental traumatic brain injury. *Neuroscience & Biobehavioral Reviews*, 58, 123-146.
- *Stommel, M., & Osier, N. (2013). Temporal changes in bias of body mass index scores based on self-reported height and weight. *International Journal of Obesity*, 37(3), 461-7.

PUBLICATIONS – ePub Ahead of Print (*= Data-Based; ‡=corresponding)
Student Mentoring Key: [§ = PhD student; £ = research assistant; ¥ = undergraduate student]

- *Osier, N., Conley, Y., Okonkwo, D. O., & Puccio, A. (2018). Variation in candidate TBI biomarker genes are associated with gross neurological outcomes after severe TBI. *Journal of Neurotrauma*, ePub.
- Osier, N. D., ¥Motamedi, V., §Edwards, K., Puccio, A., Diaz-Arrastia, R., Kenney, K., & Gill, J. (2018). Exosomes in Acquired Neurological Disorders: New Insights into Pathophysiology and Treatment. Submitted to *Molecular Neurobiology*, ePub.
- *§Rodney, T., Osier, N., & Gill, J. (2018). Pro- and Anti-Inflammatory Biomarkers and Traumatic Brain Injury Outcomes: A Review. *Cytokine*, ePub.

PUBLICATIONS – Published/In-Press Book Chapters

- Osier, Nicole, Dixon, C. Edward. (2018). Controlled Cortical Impact for Modeling Traumatic Brain Injury in Animals. *Pre-Clinical and Clinical Methods in Brain Trauma Research*. 139, 81-95.
- Yan, H. Q., Osier, N. D., ¥Korpon, J., Bales, J. W., Kline, A. E., Wagner, A. K., & Dixon, C. E. (2015). Chapter 33: Persistent cognitive deficits: implications of altered dopamine in acute traumatic brain injury. In: F. Kobeissy (Ed.), *Brain injury principles: Molecular neuropsychological, and rehabilitation aspects in brain injury models*.
- Osier, N. D., ¥Korpon, J. R., & Dixon, C. E. (2015). Chapter 16. Controlled Cortical Impact Model. In: F. Kobeissy (Ed.), *Brain injury principles: Molecular neuropsychological, and rehabilitation aspects in brain injury models*.

PUBLICATIONS – Articles in Review (*= Data-Based; ‡=corresponding)

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Student Mentoring Key: [§ = PhD student; £ = research assistant; ¥ = undergraduate student]

(N/A as of August 8, 2018)

*¥Schnur, K., £Gill, E., ¥Guerrero, A., Osier, N., & Reuter-Rice, K. (in review). Screening and Consenting in Pediatric Traumatic Brain Injury A Critical Look at a Crucial Barrier to Research. Submitted to *Nursing Research*, on 08/12/2018.
 ¥Slote, C., Osier, N., ¥Luu, A., ¥George, N.M. (in review). Ways You Can Protect Your Genes from Mutations With a Healthy Lifestyle. Submitted to *Frontiers Young Minds*, on 08/24/2018.

PUBLICATIONS – Chapters in Review

(N/A as of August 8, 2018)

RESEARCH PRESENTATIONS – Refereed, Data-Based

Student Mentoring Key: [§ = PhD student; £ = research assistant; ¥ = undergraduate student]

Presentations at International Conference/Organization Meeting:

§Edwards, K.A., ¥Motamedi, V., Osier, N.D., Kim, H.S., Yun, S., Cho, Y.-E., Lai, C., Dell, K., Carr, W., Walker, P.B., Ahlers, S.T. LoPresti, M., Yarnell, A., Tschiffely, & Gill, J. Moderate Blast Exposure Results in Dysregulated Gene Network Activity. National and International Neurotrauma Societies, August 2018.

Osier, N., Poloyac, S., Okonkwo, D., Puccio, A., & Conley, Y. “Lower Cerebrospinal Fluid N-acetylaspartate Correlates with Better Outcomes Post-Severe Brain Trauma.” Poster presentation at Society for Critical Care Medicine 2018 Conference. San Antonio, Texas, USA, February 2018.

Osier, N. D., Gill, J. §Edwards, K., Dell, K.C., Carr, W., Walker, P., Ahlers, S., LoPresti, M., & Yarnell, A. “Moderate blast exposure alters peripheral concentrations of proteins related to neurodegeneration.” Podium presentation at International Society for Nurses in Genetics 2017 Congress. Reston, Virginia, USA, November 2017.

Osier, N. “Melatonergic system changes after experimental brain injury.” Podium presentation at Bloomberg University Emerging Nurse Scholars Forum. Toronto, Ontario, Canada, May 2017.

Osier, N., Alexander, S., & Dixon, C. E. “Using pre-clinical models to study changes to the melatonergic system after brain injury.” Poster presentation at Lawrence S. Bloomberg Faculty of Nursing International Nurses Day Celebration. Toronto, Ontario, Canada, May 2017.

Osier, N., Alexander, S., & Dixon, C. E. “Applying pre-clinical methodologies to better understand the genetic and physiologic mechanisms underlying brain injury.” Poster presentation at Sigma Theta Tau International 27th International Nursing Research Congress. Cape Town, South Africa, Africa, July 2016.

Osier, N., Alexander, S., Conley, Y., Dixon, C. E. “Association between calcineurin genotype & outcomes after severe TBI.” Podium presentation at International Society for Nurses in Genetics 2015 Congress. Pittsburgh, Pennsylvania, USA, November 2015.

Osier, N. & Dixon, C.E. “Effect of Melatonin on Novel Object Recognition after traumatic brain injury: A pilot study.” Poster presentation at Society for Critical Care

Medicine 43rd Critical Care Congress. San Francisco, California, USA, January 2014.

Presentations at National Conference/Organization Meeting:

Osier, N., Slote, C., McGreevy, E., Henneghan, A. "Ultrasensitive quantification of inflammatory biomarkers in breast cancer survivors." Poster presentation at American Association of Immunology Conference, Austin, Texas, USA, May 2018.

Osier, N. "Helmet laws: History and effects of policy." Poster presentation at American Academy of Nursing 2017 Conference, Washington, DC, USA, October 2017.

Osier, N. D., Gill, J., §Edwards, K., Dell, K. C., Carr, W., Walker, P., Ahlers, S., LoPresti, M., & Yarnell, A. "A β 40, A β 42, and tau as peripheral biomarkers for moderate blast exposure." Podium presentation at National Capital Area TBI Conference, Bethesda, Maryland, USA, March 2017.

Osier, N., ¥Pham, L., ¥Savarese, A., ¥Pugh, B.J., Puccio, A., Ren, D., Conley, Y., Alexander, S., Dixon, C.E. "Melatonin receptors are associated with TBI pathology in rodents and genetic variation in humans may be a determinant of health in humans." Poster presentation at Council for the Advancement of Nursing Science 2016 Conference, Washington, DC, USA, September 2016.

Osier, N., ¥Pugh, B., Puccio, A., Ren, D., Conley, Y., Alexander, S. "Downregulation of MT1 and MT2 occurs after severe TBI in rats." Poster presentation at National Neurotrauma Society 2016 Conference, Lexington, Kentucky, USA, June 2016.

Osier, N., Alexander, S., Conley, Y., Dixon, C.E. "Association between calcineurin genotype & clinical outcomes after severe TBI." Poster presentation at Society for Neuroscience 2015 Conference, Chicago, Illinois, USA, October 2015.

Osier, N., Yan, H.Q. Ma, X., Mondello, S., Empey, P., Poloyac, S., Feldman, K., Wang, K., Hayes, R., Kochanek, P.M., Dixon, C.E. "Evaluation of Kollidon VA-64 in the Controlled Cortical Impact Model of Traumatic Brain Injury: An OBTT Consortium Study." Poster presentation at National Neurotrauma Society 2015 Conference. Santa Fe, New Mexico, USA, June 2015.

Regional Presentations:

§Edwards, K.A., ¥Motamedi, V., Osier, N.D., Kim, H.S., Yun, S., Dell, K., Carr, W., Walker, P.B., Ahlers, S.T. LoPresti, M., Yarnell, A., Tschiffely, & Gill, J. Moderate Blast Exposure Results in Dysregulated Gene Network Activity. National Neurotrauma Society. Washington DC, USA, June 2018.

Osier, N. "Nurses make sustainability simple." Podium Presentation at UT Austin Sustainability Showdown, in Austin, Texas, USA, April 2018.

¥Slote, C., Osier, N., & Henneghan, A. "Biomarkers associated with sleep and fatigue symptoms in breast cancer survivors." St. David's CHPR Conference, Austin, Texas, USA, February 2018.

Osier, N. D. "Rookie mistakes: Lessons learned during the first 60 days as a faculty member." Poster presentation at UT System Kenneth Shine MD Academy of Health Science Education Conference, Austin, Texas, USA, February 2018.

Osier, N. D. "Unpuzzling Polymerase Chain Reaction Using a Puzzle". Demonstration presentation at UT System Kenneth Shine MD Academy of Health Science Education Conference, Austin, Texas, USA, February 2018.

Osier, N. D. "Genetic variation in candidate biomarkers predicts recovery and may affect biomarker utility." Podium presentation at Texas Nurse Practitioners 29th Annual Conference, Austin, Texas, USA, September 2017.

Osier, N., Pugh, B., Puccio, A., Conley, Y., Alexander, S., Dixon, C. E. "Downregulation of melatonin receptors MT1 and MT2 occurs after TBI in rats." Poster presentation at Safar Symposium 2016. Pittsburgh, Pennsylvania, USA, May 2016.

Osier, N., Savarese, A., Pugh, B.J., Pham, L., Alexander, S. "Utilizing pre-clinical research methodologies to explore the melatonergic system & address important gaps in the traumatic brain injury knowledge base." Poster presentation at Pennsylvania Higher Education Nursing Schools Association Conference, State College, Pennsylvania, USA, April 2016.

Osier, N., Pugh, B., Pham, L., Savarese, A., Alexander, A. "Endogenous changes in melatonin receptor levels after traumatic brain injury in rats." Poster presentation at University of Pittsburgh, Department of Critical Care Medicine Fink Scholars Day, Pittsburgh, Pennsylvania, USA, April 2016.

Osier, N., Alexander, S., Conley, Y., Dixon, C. E. "Association between calcineurin genotype & clinical outcomes after severe TBI." Poster presentation at Sigma Theta Tau Eta Chapter Scholar's Night. Pittsburgh, Pennsylvania, USA, March 2016.

Osier, N., Dixon, C. Alexander, S. "Effect of melatonin on novel object recognition after TBI: A pilot study in mice." Poster presentation at Sigma Theta Tau International Eta Chapter Scholars Night, Pittsburgh, Pennsylvania, USA, March 2014.

PRESENTATIONS – Refereed, non-data based

Baumgartel, K., Koleck, T., Osier, N., Conley, Y. "Molecular genomic fellowship program for nurse scientists." Poster presented at Doctoral Directions Learning to Lead in Biomedicine, Pittsburgh, Pennsylvania, USA, March 2015.

Osier, N., Pham, L., Savarese, A., Alexander, S. "Studying the genomic underpinnings of health using animal models." Poster presentation at Sigma Theta Tau Eta Chapter Scholars Night, Pittsburgh, Pennsylvania, USA, March 2015.

Osier, N., Savarese, A., Dixon, C. Alexander, S. "An opportunity for nurses to promote bench-to-bedside translation: Use of animal models for studying genetics and human health." Poster presentation at International Society for Nurses in Genetics 2014 Congress. Scottsdale, Arizona, USA, November 2014.

Osier, N., Savarese, A., Dixon, C. Alexander, S. "An opportunity for nurses to promote bench-to-bedside translation: Use of animal models for studying genetics and human health." Poster presentation at 4th Annual Scholarly Symposium. University of Pittsburgh School of Nursing, Pittsburgh, Pennsylvania, USA, November 2014.

PRESENTATIONS – Invited

Osier, N. D. "Redesigning assignments: giving students flexibility in demonstrating what they know." New Faculty Symposium, Austin, Texas, USA, August 2018.

Osier, N. D. "TBI research: Framework, methods, & technology." Invited podium presentation at U.S. Army Medical Department Center & School Graduate School Research & Education Symposium, San Antonio, Texas, USA, April 2018.

Osier, N. D. "What Do Nurses Research Anyway? Improving Patient Outcomes Through Research." Keynote address to the Epsilon Theta Research Dinner, Austin, Texas, USA, March 29, 2018.

Osier, N. D. "Gene & protein contributors to brain injury pathology & recovery." Invited podium presentation at St. David's Center for Health Promotion & Disease

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Prevention Research in Underserved Populations (CHPR) Symposia, Austin, Texas, USA, September 2017.

Osier, N. D. "Applications of molecular genomic research techniques in my work and advice for nurses interested in genomics." Invited podium presentation at the National Institute for Nursing Research Summer Genetics Institute, Bethesda, Maryland, USA, June 2017.

Osier, N. D. "Characterization of the melatonergic system after traumatic brain injury." Invited podium presentation at Sigma Theta Tau Eta Chapter Scholars Night, Pittsburgh, Pennsylvania, USA, March 2015.

PROFESSIONAL ORGANIZATIONS, SERVICE

Professional Organization Memberships & Service

International Society of Nurses in Genetics – member; **2011-present**

Member, Education Committee, 2016-present

Co-Chair, Education Committee, 2017-present

Member, Educational Products Subcommittee, 2016-present

Co-Chair, Educational Products Subcommittee, 2017-present

Member, Conference Planning Committee, 2014

Member, Task & Finish Group, 2014-2016

American Nurses Association - member; **2017-present**

Texas Nurses Association, 2017-present

Society for Critical Care Medicine - member; **2017-present**

Association for Women in Science - member **2016-present**

American Academy of Nursing – member; **2015-present**

Volunteer, Annual Conference, 2017

Council for the Advancement of Nursing Science – member; **2015-present**

Member, Awards Committee, 2017-present

Student Member, Finance Committee, 2015-2016

Graduate Nursing Student Academy – member; **2015-2017**

Member, Leadership Council, 2015-2017

University Liaison, 2015-2017

Liaison Coordinator, 2016-2017

National Neurotrauma Society - member **2013-present**

Women in Neurotrauma Research, 2013-present

Ambassador, Annual Conference (2015)

Sigma Theta Tau International Nursing Honor Society - member; **2010-present**

Eta Chapter, member 2011-present

Alpha Psi Chapter, member, 2010-2011

PROFESSIONAL SERVICE

Community Service

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2016 - Panelist, Health Professions Week Virtual Career Fair

Manuscript Reviewer

Invited Reviews (Completed):

Journal of Functional Morphology and Kinesiology, invited to review manuscript, August 2018

Journal of Nursing Scholarship, invited to review manuscript, July 2018

Journal of Traumatic Stress, invited to review manuscript, June 2018

Journal of Nursing Scholarship, invited to review manuscript, June 2018

Worldviews on Evidence-Based Nursing, invited to review manuscript, May 2018

International Journal of Environmental Research and Public Health, invited to review manuscript, May 2018

Medical Science Monitor, invited to review manuscript, May 2018

Journal of Traumatic Stress, invited to review manuscript, April 2018

Experimental Neurology, invited to review manuscript, April 2018

Journal of Pediatric Neurology, invited to review manuscript, March 2018

Journal of Nursing Scholarship, invited to review manuscript, March 2018

Journal of Traumatic Stress, invited to review manuscript, February 2018

Biological Research for Nursing, invited to review manuscript, February 2018

International Journal of Molecular Sciences, invited to review manuscript, November 2017

Journal of Traumatic Stress, invited to review manuscript, November 2017

Brain Sciences, invited to review manuscript, 2017

Epigenomes, invited to review manuscript, October, 2017

Biological Research for Nursing, invited to review manuscript, October 2017

Brain Research Bulletin, invited to review manuscript, October 2017

Children, invited to review manuscript, September 2017

Epigenomes, invited to review manuscript, August, 2017

Brain Sciences, invited to review manuscript, August 2017

Annals of Emergency Surgery, invited to review manuscript, August, 2017

Open Veterinary Journal, invited to review manuscript, July 2017

International Journal of Molecular Sciences, invited to review manuscript, April 2017

Abstract Reviewer (by Conference Year)

2019, Annual Conference, Society for Critical Care Medicine

2018, Annual Conference, Society for Critical Care Medicine

2017, Annual Conference, Neurocritical Care Society

2017, Annual Conference, International Society for Nurses in Genetics

2016, Annual Conference, International Society for Nurses in Genetics

2016, Annual Conference, Sigma Theta Tau International Eta Chapter

Conference Session Moderator

2018, Annual Conference, Society for Critical Care Medicine

Clinical Practice Guideline Reviewer

Nursing Management of Adults with Severe Traumatic Brain Injury CPG, reviewed for American Academy of Neuroscience Nursing. 2017-present.

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COMMITTEE SERVICE

School of Nursing Committees

2017 - Graduate Studies Committee, Member.
2018- Kimberly Lewis Dissertation Committee, Chair

University of Texas at Austin Committees

2018- Ethics Flag Committee, Member

TEACHING ASSIGNMENTS AT THE UNIVERSITY OF TEXAS AUSTIN

Graduate Courses

Summer 2018

Ns284N, Genomics Applications in Health Care, Primary Instructor

Undergraduate Courses

Spring 2018

N223, Genetics in Healthcare, Primary Instructor

Fall 2017

N223, Genetics in Health Care, Primary Instructor

GUEST LECTURES AT THE UNIVERSITY OF TEXAS AUSTIN

Graduate Courses

Summer 2018

____ N395N, Biostatistics, Guest Lecturer (TBI Biostatistics)

Spring 2018

PSY394P, Brain & Spinal Cord Injuries, Guest Lecturer (TBI Biomarkers)

Fall 2017

N382, Socio-Cultural Influences on Health, Guest Lecturer (Allostatic Load)

Undergraduate Courses

(N/A as of August 8, 2018)

GUEST LECTURES AT UNIVERSITY OF PITTSBURGH

Graduate Courses

Summer 2016

NUR2004, Pathophysiology, Guest Lecturer (Genetic Disorders)

Spring 2016

NUR2004, Pathophysiology, Guest Lecturer (Genetic Disorders)

Fall 2015

NUR2004, Pathophysiology, Guest Lecturer (Genetic Disorders)

Summer 2015

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NUR2004, Pathophysiology, Guest Lecturer (Genetic Disorders)
Spring 2015

NUR2004, Pathophysiology, Guest Lecturer (Genetic Disorders)
Fall 2014

NUR2004, Pathophysiology, Guest Lecturer (Genetic Disorders)
Summer 2014

NUR3054, Grant Writing, Guest Lecturer (Demystifying the F31)

NUR2004, Pathophysiology, Guest Lecturer (Genetic Disorders)

Undergraduate Courses

Summer 2016

NUR0020, Pathophysiology, Guest Lecturer (Introduction to Genetics)

Spring 2016

NUR1680, Introduction to Genetics, Guest Lecturer (Gene Expression)

NUR1680, Introduction to Genetics, Guest Lecturer (Modified Mendelian Ratios)

Fall 2015

NUR1680, Introduction to Genetics, Guest Lecturer (Forensic Genetics)

NUR1680, Introduction to Genetics, Guest Lecturer (Population Genetics)

Summer 2015

NUR0020, Pathophysiology, Guest Lecturer (Introduction to Genetics)

NUR1054, Geriatrics, Guest Lecturer (Nutrition for Older Adults)

Spring 2015

NUR1054, Geriatrics, Guest Lecturer (Nutrition for Older Adults)

NUR1680, Introduction to Genetics, Guest Lecturer (Population Genetics)

Fall 2014

NUR1054, Geriatrics, Guest Lecturer (Nutrition for Older Adults)

NUR1680, Introduction to Genetics, Guest Lecturer (Population Genetics)

Summer 2014

NUR0020, Pathophysiology, Guest Lecturer (Introduction to Genetics)

NUR1054, Geriatrics, Guest Lecturer (Nutrition for Older Adults)

Spring 2014

NUR1054, Geriatrics, Guest Lecturer (Nutrition for Older Adults)

NUR1680, Introduction to Genetics, Guest Lecturer (Gene Structure & Function)

Fall 2013

NUR1680, Introduction to Genetics, Guest Lecturer (Mutations & Consequences)

NUR1680, Introduction to Genetics, Guest Lecturer (Gene-Based Therapies)

NUR1680, Introduction to Genetics, Guest Lecturer (Expression & Regulation)

NUR1680, Introduction to Genetics, Guest Lecturer (Complex Diseases)

NUR1054, Geriatrics, Guest Lecturer (Nutrition for Older Adults)

Summer 2013

NUR1054, Geriatrics, Guest Lecturer (Nutrition for Older Adults)

Spring 2013

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NUR1680, Introduction to Genetics, Guest Lecturer (DNA Variants & Lab Analysis)

NUR1680, Introduction to Genetics, Guest Lecturer (Forensic Genetics & GMOs)

NUR1680, Introduction to Genetics, Guest Lecturer (Autosomal & X-Linked Genes)

NUR1680, Introduction to Genetics, Guest Lecturer (Gene-Based Therapies)

Fall 2012

NUR1680, Introduction to Genetics, Guest Lecturer (DNA Variants & Lab Analysis)

NUR1680, Introduction to Genetics, Guest Lecturer (Forensic Genetics & GMOs)

NUR1680, Introduction to Genetics, Guest Lecturer (Autosomal & X-Linked Genes)

Spring 2012

NUR1680, Introduction to Genetics, Guest Lecturer (Cancer Genetics)

NUR1680, Introduction to Genetics, Guest Lecturer (DNA Variants & Lab Analysis)

NUR1680, Introduction to Genetics, Guest Lecturer (Forensic Genetics & GMOs)

NUR1680, Introduction to Genetics, Guest Lecturer (Autosomal & X-Linked Genes)

CLINICAL SUPERVISION AT UNIVERSITY OF PITTSBURGH

Summer 2013

NUR1054C, Nursing Care of Older Adults, Primary Instructor

LABORATORY SUPERVISION AT MICHIGAN STATE UNIVERSITY

Spring 2008

LBS172L, Chemistry Lab 2, Learning Assistant

Fall 2007

LBS171L, Chemistry Lab 1, Learning Assistant

Spring 2007

LBS172L, Chemistry Lab 2, Learning Assistant

Fall 2006

LBS171L, Chemistry Lab 1, Learning Assistant