

# MICHELLE LYNN WRIGHT PhD, RN

Assistant Professor  
University of Texas at Austin  
School of Nursing  
Telephone: (512) 475-7421  
Email: michelle.wright@utexas.edu

---

## EDUCATION

| <b>Dates</b> | <b>Institution and Location</b>             | <b>Degree</b>              |
|--------------|---|----------------------------|
| 2001         | Western Michigan University, Kalamazoo, MI  | B.S. Biomedical Sciences   |
| 2004         | DePaul University, Chicago, IL              | M.S. Nursing               |
| 2010-2011    | University of Miami, Coral Gables, FL       | (Ph.D. transferred to UND) |
| 2014         | University of North Dakota, Grand Forks, ND | PhD, Nursing               |

## LICENSES AND CERTIFICATIONS

| <b>Exp. Dates</b> | <b>Type</b>   |
|-------------------|---|
| 01/31/20          | Registered Nurse, Georgia                                     |
|                   | <b>Name of certification Body and Type of Certification</b>   |
| 12/30/11          | Board Certified Emergency Nurse, Emergency Nurses Association |

## HONORS AND AWARDS

|      |  |
|------|--|
| 2015 | Invited Speaker, International Society of Nurses in Genetics World Congress  |
| 2014 | Journal of Nursing Scholarship Emerging ISONG Scholar Finalist   |
| 2013 | University of North Dakota Graduate Student Travel Award   |
| 2013 | NIH Sponsored Travel Award   |
| 2013 | Tuition Scholarship to attend the 18 <sup>th</sup> Summer Institute in Statistical Genetics  |
| 2013 | Travel Award to attend the 18 <sup>th</sup> Summer Institute in Statistic Genetics   |
| 2013 | Travel Award, University of North Dakota College of Nursing and professional Disciplines   |
| 2013 | Travel Award, University of North Dakota, Research Development and Compliance  |
| 2013 | Selected as a University of North Dakota representative to compete in the 2013 Midwest Nursing Research Society Conference                 |
| 2012 | University of North Dakota Graduate Student Travel Award to present at the International Society of Nurses in Genetics Conference          |
| 2012 | University of North Dakota Graduate Student Travel Award to present at the Experimental Biology Conference                                 |
| 2012 | Selected to participate in the Nutrient Gene Interaction Research Interest Group Poster Competition at the Experimental Biology Conference |
| 2012 | Honorable Mention PhD Student Poster Award: MNRS Conference  |

2012 Selected as a University of North Dakota representative to compete in the Midwest Nursing Research Society Conference in the PhD Student poster competition in the Research category

2004 Valedictorian, Summa cum laude: DePaul University

1997-2001 Medallion Academic Scholarship: Western Michigan University

1997-2001 Ford Academic Scholarship: Western Michigan University

### PROFESSIONAL POSITIONS

|                 |                                    |  |
|-----------------|------------------------------------|--|
| 08/2018-present | Assistant Professor, Tenure Track  | University of Texas at Austin, School of Nursing                                     |
| 08/2-18-present | Assistant Professor                | University of Texas at Austin, Dell School of Medicine, Department of Women's Health |
| 08/2016-8/2018  | Assistant Research Professor       | Emory University, Nell Hodgson Woodruff School of Nursing                            |
| 08/2015-08/2016 | Postdoctoral Associate             | Yale University, School of Nursing   |
| 01/2014-08/2015 | Postdoctoral Fellow                | Virginia Commonwealth University, School of Nursing                                  |
| 08/2011-12/2013 | Research Assistant                 | University of North Dakota College of Nursing  |
| 08/2010-08/2011 | Teaching Assistant                 | University of Miami School of Nursing and Health Studies                             |
| 04/2009-08/2010 | Lead Instructor of Nursing         | Keiser University  |
| 05/2008-04-2009 | Travel Nurse; Staff Nurse          | Emergency Department   |
| 08/2007-05/2008 | Clinical Nursing Instructor        | Oakland Community College  |
| 10/2006-05/2008 | Staff Nurse and Preceptor          | Huron Valley-Sinai Hospital, Emergency Department                                    |
| 04/2006-01/2007 | Staff Nurse                        | Beaumont Hospital, Emergency Department  |
| 06/2004-04/2006 | Staff Nurse                        | Henry Ford Hospital, Neonatal Intensive Care Unit                                    |
| 12/2001-08/2002 | Scientist; Groundwater Remediation | URS Corporation  |

### Research Grants Under Review (*in reverse chronological order*)

Influence of Toxicants on Vaginal Dysbiosis among African American Pregnant Women  
 Principal Investigator, Contact PI (Wright, Mitchell)  
 National Institutes of Health, NIMHD/NIEHS R03  
 Submitted 02/15/18 **Impact Score 37**

The Microbiome of Pregnant African American Women with Group B Streptococcus Colonization and the Influence of Prenatal Antibiotics  
 Principal Investigator  
 National Institutes of Health, NINR K01  
 Submitted 10/10/2017 **Impact Score 24**

---

**SCHOLARSHIP: GRANTS AND OTHER FUNDING**

**Research Grants Funded (*in reverse chronological order*)**

Characterization of allele specific DNA methylation of PABPN1

Principle Investigator

International Society of Nurses in Genetics

\$2,000

11/2017-11/2018

Maternal Group B Streptococcus Serum Markers

Principal Investigator

Midwest Nursing Research Society

\$2,500

03/2013-03/2014

DNA Methylation Patterns in Pregnant Women with Group B Streptococcus

Principal Investigator

International Society of Nurses in Genetics

\$1,500

10/2012-10-2013

---

## SCHOLARSHIP: PUBLICATIONS

**Original Articles in Peer-Reviewed Journals (in reverse chronological order; please include the PubMed Central ID Number (PMCID) if available) (provide \* next to data based publications)**

- \*Taylor, J.Y., Ware, E.B., **Wright, M.L.**, Smith, J.A., Kardia, S.L.R. (in press) Using genetic burden scores for gene-by-methylation interaction analysis on metabolic syndrome in African Americans. *Biological Research for Nursing*. **Invited manuscript.**
- Wright, M.L.**, Higgins, M., Taylor, J.Y., Hertzberg, V.S. (in press) NuRsing research in the 21<sup>st</sup> century, R you ready? *Biologic Research for Nursing*.
- \***Wright, M.L.**, Fournier, C., Houser, M.C., Tansey, M., Glass, J., Hertzberg, V.S. (in press) The potential role of the gut microbiome in ALS; A systematic review. *Biologic Research for Nursing*.
- \***Wright, M.L.**, Huang, Y., Hui, Q., Newhall, K., Crusto, C., Sun, Y.V., Taylor, J.Y. (2018). Parenting stress and DNA methylation among African Americans in the InterGEN Study. *Journal of Clinical and Translational Science*. 1-6. doi:10.1017/cts.2018.3
- \***Wright, M.L.**, Ware, E.B., Smith, J.A., Kardia, S.L.R., Taylor, J.Y. (2018). Joint influence of SNPs and DNA methylation on lipids in African Americans from hypertensive sibships. *Biological Research for Nursing*. 20(2):161-167. PMID: 29338330
- Eid, H.M., **Wright, M.L.**, Kumar, A., Qawasmeh, A., Hassan, S.T., Mocan, A., Nabavi, S.M., Rastrelli, L., Atanasov, A. G., Haddad, P.S. (2017). Significance of microbiota in obesity and metabolic disease and the modulatory potential by medicinal plant and food ingredients. *Frontiers in Pharmacology*. 8:837. PMID: PMC5493053
- \*Brooks, J.P., Buck, G.A., Chen, G., Diao, L., Edwards, D.J., Fettweis, J.M., Huzurbazar, S., Rakitin, A., Satten, G.A., Smirnova, E., Waks, Z., **Wright, M.L.**, Yanover, C., Zhou, Y. (2017). Changes in vaginal community state types reflect major shifts in the microbiome. *Microbial Ecology in Health and Disease*. 1303265. PMID: 28572753
- Taylor, J.Y., **Wright, M.L.**, Hickey, K.T., & Housman, D. (2017). Genome sequencing technologies and nursing: What is the role of nurses and nurse scientists? *Nursing Research* 66(2), 1998-205. PMID: 28252579
- \*Starkweather, A.R., Kelly, D., Thacker, L., Deng, X., **Wright, M.L.**, Jackson-Cook, C.K. & Lyon, D.E. (2017). Relationships among psychoneurological symptoms and levels of C-reactive protein over 2 years in women with early-stage breast cancer. *Supportive Care in Cancer* 25(1), 167-176. PMID: 27599815.
- \*Barcelona de Mendoza, V., **Wright, M.L.**, Agaba, C., Prescott, L., Desir, A., Crusto, C.A., Sun, Y.V., Taylor, J.Y. (2017) A systematic review of DNA methylation and preterm birth in African American women. *Biological Research for Nursing*. 19(3), 308-317. PMID: 27646016.
- Taylor, J.Y., **Wright, M.L.** & Housman, D. (2016). Lead toxicity and genetics in Flint, MI. *Npj Genomic medicine*. 16018. PMID: 27398227 doi:10.1038/npjgenmed.2016.18 PMID: 27398227.

- Wright, M.L.**, Dozmorov, M.G., Wolen, A., Jackson-Cook, C., Starkweather, A.R., Lyon, D.E. & York, T.P. (2016). Establishing an analytic pipeline for genome-wide DNA methylation. *Clinical Epigenetics*. 8(1), 45. doi: 10.1186/s13148-016-0212-7. PMCID: PMC4848848
- Wright, M.L.**, Housman, D. & Taylor, J. Y. (2016). A perspective for sequencing familial hypercholesterolemia in African Americans. *Npj Genomic Medicine*, 16012. doi:10.1038/npjgenmed.2016.12 PMID: 29263812.
- Wright, M.L.**, Starkweather, A.R. & York, T.P. (2016). Mechanisms of the maternal exposome and implications for health outcomes. *Advances in Nursing Science*, 39(2). E17-30. doi: 10.1097/ANS.0000000000000110. PMCID: PMC4860277 \*\*Selected as Editor's Choice for this issue
- Taylor, J.Y., **Wright, M.L.**, Crusto, C.A. & Sun, Y. (2016). The intergenerational impact of genetic and psychological factors on blood pressure study (InterGEN): Design and methods for complex DNA analysis. *Biological Research for Nursing* 18(5), 521-30. PMCID: PMC5025343
- Dahlen, H., G., Downe, S., **Wright, M.L.**, Powell-Kennedy, H. & Taylor, J. (2016) Childbirth and consequent atopic disease: Emerging evidence on epigenetic effects based on the hygiene and EPIIC hypotheses. *BMC Pregnancy and Childbirth*, 16(4). doi: 10.1186/s12884-015-0768-9 PMCID: PMC4712556
- \***Wright, M.L.** & Starkweather, A.R. (2015). Antenatal microbiome: Potential contributor to fetal programming and establishment of the microbiome in offspring. *Nursing Research*, 64(4), 306-319. doi: 10.1097/NNR.0000000000000101 PMID: 26035769
- \***Wright, M.L.**, Ralph, J.L. & Komiewicz, D.M. (2015). DNA methylation patterns in peripheral blood of pregnant women with group B streptococcus colonization. *Biologic Research in Nursing*. 17(4), 438-43. doi:10.1177/1099800415584996 PMID: 25964656
- \*Anderson, C., M, Ralph, J., Johnson, L., Scheett, A., **Wright, M.L.**, Taylor, J.Y., Ohm, J.E. & Uthus, E. (2015). First trimester vitamin D Status and placental epigenomics in preeclampsia among northern plains primiparas. *Life Sciences*. 129, 10-15. doi:10.1016/j.lfs.2014.07.012 PMID: 25050465
- \*Anderson, C., M., Ralph J.L., **Wright, M.L.**, Uthus, E.O., Linggi, B. & Ohm, J.E. (2014). DNA methylation as a biomarker for preeclampsia. *Biologic Research in Nursing*. 16(4), 409-20. doi: 10.1177/1099800413508645 PMID: 24165327
- Capitulo, K., Klein, V. & **Wright, M.** (2013). Should prophylactic antibiotics be routinely given to a mother before a cesarean birth? *MCN American Journal of Maternal Child Nursing*, 38(5), 266–267. doi: 10.1097/NMC.0b013e31829b3d68
- Wright, M.L.**, Ralph, J.L., Ohm, J.E. & Anderson, C.M. (2013) DNA methylation in complex disease: Applications in nursing research, practice, and policy. *Nursing Outlook*, 61, 235-241. <http://dx.doi.org/10.1016/j.outlook.2013.04.010> PMID: 23849553
- Dahlen, H.G., Kennedy, H.P., Anderson, C.M., Bell, A.F., Clark, A., Foureur, M., Ohm, J.E., Shearman, A.M., Taylor, J.Y. **Wright, M.L.**, & Downe, S. (2013). The EPIIC hypothesis:

\*databased

**Submitted Manuscripts under Review (as APA citations, in reverse chronological order)**

\*Fettweis, J.M., Serrano, M.G., Brooks, J.P., Edwards, D.J., Girerd, P.H., Parikh, H., Huang, B., Arodz, T.J., Edupuganti, L., Glascock, A.L., Xue J., Jimenez, N.R., Vivadelli, S.C., Fong, S.S., Sheth, N.U., Jean S., Marinelli, A., Lee V., Bokhari, Y.A., Lara, A.M., Mistry, S.D., Duckworth, R.A., Bradley, S.P., Koparde, V.N., Orenda, V., Milton, S.H., Rozycki, S.K., Matveyev, A.V., **Wright, M.L.**, Huzurbazar, S.V., Jackson, E.M., Smirnova, E., Korlach, J., Tsai, Y., Dickinson, M.R., Brooks, J.L., Drake, J.I., Sexton, A.S., Gravett, M.G., Rubens, C.E., Wijesooriya, N.R., Hendricks-Muñoz, K.D., Jefferson, K.K., Strauss III, J.F., and Buck, G.A. (submitted 01/31/18, currently revising for resubmission) The vaginal microbiome and preterm birth. *Nature*.

**Book Chapter (as APA citations, in reverse chronological order)**

**Wright, M. L.** (2014). Infection control in the emergency room setting. In D. M. Korniewicz (Ed), *Infection Control and Prevention: The Advanced Practice Role*. (pp. 109-125) Lancaster, PA: DEStech Publications, Inc

**Wright, M. L.** (2014). Infection control for emergency mobile health units. In D. M. Korniewicz (Ed), *Infection Control and Prevention: The Advanced Practice Role*. (pp. 215-232). Lancaster, PA: DEStech Publications Inc

**Book Reviews (as APA citations, in reverse chronological order)**

None

**Research Abstracts and Proceedings (as APA citations, in reverse chronological order)**

**Wright M. L.**, Anderson C. M., Uthus, E. O., Ohm J. (2012) Validation of DNA Methylation Patterns: Potential Biomarker for Heritable Risk of Preeclampsia. *Western Journal or Nursing Research*, 34(8), 1074-5. doi: 10.1177/0193945912453685 (Meeting abstract)

Anderson, C. M., **Wright, M. L.**, Ralph, J. L., Uthus, E. O., & Ohm, J. E. (2012). Epigenomic markers for heritable risk of preeclampsia. *The FASEB Journal*, 26 (Meeting Abstract), 1101.6.

**Wright, M. L.**, Anderson, C. M., Uthus, E. O., & Ohm, J. E. (2012). DNA methylation in candidate genes as a biomarker for transgenerational risk of preeclampsia. *The FASEB Journal* 26 (Meeting Abstracts), 128.7

**Instructional Booklet (as APA citations, in reverse chronological order)**

None

**Educational Software (as APA citations, in reverse chronological order)**

None

**Video (as APA citations, in reverse chronological order)**

None

---

**SCHOLARSHIP: PRESENTATIONS**

**International Presentations (as APA citations, in reverse chronological order)**

**Wright, M. L.** (July, 2017). Parenting stress and DNA methylation among African-Americans in the Intergen Study. Podium Presentation. Sigma Theta Tau International's 28th International Nursing Research Congress. Dublin, Ireland.

**Wright, M. L.** & Taylor, J.Y. (July, 2016). Gene-environment interactions related to hyperlipidemia among African Americans. Podium Presentation. Sigma Theta Tau International's 27th International Nursing Research Congress. Cape Town, South Africa.

**Wright, M.L.** (November, 2015). Methods for conducting reproducible research with multi-omic data. Invited Presentation at the International Society of Nurses in Genetics 2015 World Congress. Pittsburgh, Pennsylvania.

**Wright, M.** & York, T.P. (November, 2015). Racial differences in genome-wide DNA methylation during the first trimester of pregnancy. Poster Presentation at the International Society of Nurses in Genetics 2015 World Congress. Pittsburgh, Pennsylvania

**Wright, M. L.** & Starkweather, A.R. (July, 2015). Environmental exposure influence on the antenatal microbiome and health of offspring. Podium Presentation at the Sigma Theta Tau International's 26th International Nursing Research Congress, San Juan, Puerto Rico.

**Wright, M.L.** & York, T.P. (November 2014). Comparison of two analytic pipelines for evaluating genome-wide DNA methylation in clinical populations. Podium Presentation at the International Society of Nursing in Genetics, Scottsdale, Arizona

**Wright, M.L.,** Anderson, C.M., Ralph, J.L. & Ohm, J.E. (November, 2013). Differentially methylated in genes associated with immune function in pregnant women colonized with Group B Streptococcus. Poster Presentation at the 8th World Congress on Developmental Origins of Health and Disease, Singapore

Anderson, C.M., Ralph, J.L., **Wright, M.L.** & Ohm, J.E. (November, 2013). Functional relevance of early pregnancy DNA hypomethylation in preeclampsia. Poster Presentation at the 8th World Congress on Developmental Origins of Health and Disease, Singapore

**Wright, M.L.,** Ralph, J.L., Ohm, J.E. & Anderson, C.M. (October, 2013). Examining the relationship between microbes and DNA methylation. Poster Presentation at the International Society of Nurses in Genetics, Bethesda, Maryland

Anderson, C.M., **Wright, M.L.**, Ralph, J.R. & Ohm, J.E. (October, 2013). Epigenomic biomarker identification and application in complex disease. Podium Presentation at the International Society of Nursing in Genetics, Bethesda, Maryland

**Wright, M.L.**, Anderson, C.M. & Ohm, J.E. (August, 2013). Differential DNA methylation in genes associated with immune function in pregnant women with group B streptococcus colonization. Poster presentation at the Aspen/Snowmass Perinatal Biology Symposium, Snowmass, Colorado

**Wright, M.L.**, Anderson, C.M., Korniewicz, D.M. & Ohm, J.E. (October, 2012). Potential implications of intrapartum antibiotic administration on future development of disease. Podium Presentation at the International Society of Nurses in Genetics, Philadelphia, Pennsylvania

Anderson, C.M., Ralph, J.L., **Wright, M.L.** & Ohm, J.E. (October, 2012). Differential DNA methylation underlying heritable immunologic alterations in preeclampsia. International Society of Nurses in Genetics Conference, Philadelphia, Pennsylvania

Anderson, C.M., Bell, A., Downe, S., Dahlen, H., Foureur, M., Powell, K.H., Ohm, J., Taylor, J., Shearman, A., Clark, A. & **Wright, M.** (October, 2012). Epigenetic Impact of Childbirth: The EPIIC Collaboration (1 hour plenary session). Podium presentation at the International Society of Nurses in Genetics Conference, Philadelphia, Pennsylvania

**Wright, M.L.**, Anderson, C.M., Bell, A., Clark, A., Downe, S., Dahlen, H., Foureur, M., Kennedy, H.P., Ohm, J.E., Taylor, J.Y. & Shearman, A. (January, 2012). Epigenetics and intrapartum antibiotic administration. Podium Presentation at the Epigenetic Impact of Childbirth (EPIIC) International Research Collaboration. Honolulu, Hawaii

**Wright, M.L.** (June, 2011). Infection Control: A Concept Analysis. Poster Presentation at Sigma Theta Tau International. Cancun, Mexico

#### **National Presentations (as APA citations, in reverse chronological order)**

Dunlop, A.L., **Wright, M.L.** (October, 2017). Intergenerational Transmission of Risk: How the Microbiome Gets Under the Skin. Podium Presentation. NIEHS/EPA Children's Centers Annual Meeting. San Francisco, CA.

**Wright, M.L.** (May, 2016). The human microbiome and health effects of prenatal microbiome exposures. Invited web-based presentation for the Collaborative on Health and the Environment. [https://www.healthandenvironment.org/partnership\\_calls/18459](https://www.healthandenvironment.org/partnership_calls/18459)

**Wright, M.L.** & York, T.P. (September, 2014). A Comparison of two Analytic Pipelines for whole genome DNA methylation experiments. Podium Presentation at the 2014 State of the Science Congress on Nursing Research, Council for the Advancement of Nursing Science (CANS), Washington DC.

Anderson, C.M., Ralph, J.L., **Wright, M.L.**, Johnson, L. & Ohm, J.E. (September 2014). Early pregnancy C-reactive protein associated with differentially methylated DNA in nulliparous women. Podium Presentation at the 2014 State of the Science Congress of Nursing Research, Council for the Advancement of Nursing Science (CANS), Washington DC



Anderson, C.M., **Wright, M.L.**, Ralph, J.L., Uthus, E. & Ohm, J.E. (October 2012). DNA methylation patterns suggest future and heritable cardiovascular risk: Potential for transformation of cardiovascular screening in preeclampsia. Poster presentation at the American Academy of Nursing (AAN) 39<sup>th</sup> Annual Meeting and Conference, Washington DC

Anderson, C.M., **Wright, M.L.**, Ralph, J.L., Uthus, E. & Ohm, J.E. (September, 2012). DNA methylation as biomarker for heritable preeclampsia. Podium presentation at the 2012 State of the Science Congress on Nursing Research, Council for the Advancement of Nursing Science (CANS), Washington DC, **\*\*Selected as Presentation of Distinction**

**Wright, M.L.**, Anderson, C.M., Uthus, E.O. & Ohm, J.E. (April 2012). DNA Methylation in Candidate Genes as a Biomarker for Transgenerational Risk of Preeclampsia. Podium Presentation at the Experimental Biology, San Diego, California

### **Local, State, Regional Presentations (as APA citations, in reverse chronological order)**

**Wright, M.L.** (June, 2018). The vaginal microbiome: Devils in the details. Invited Presentation. ORCHARD specialty group meeting. Atlanta, GA.

**Wright, M.L.** (March, 2018). The vaginal microbiome and women's health. Invited Presentation. Grand Rounds for the Emory University Department of Gynecology and Obstetrics. Atlanta, GA.

**Wright, M. L.** (March, 2018). Vaginal Microbiome related to Infections among Pregnant African American Women with Full Term Deliveries. Symposium Presentation. Southern Nursing Research Society. Atlanta, GA.

**Wright, M.L.** (December, 2016). Microbiome research initiatives in the school of nursing: Environmental exposures influence on the maternal microbiome and health of their children. Ora Presentation at Nell Hodgson Woodruff School of Nursing, Emory University. Atlanta, Georgia

**Wright, M.L.** & Taylor, J.Y. (December, 2015). Proposed center grant on 'Understanding the Impact & Developing Useful Educational Tools for Whole Genome Sequencing in the African American Community' and case study example of: Oculopharngaeal Muscular Dystrophy. Oral Presentation at Massachusetts Institute of Technology, Biology Department. Cambridge, Massachusetts

**Wright, M.L.**, Anderson, C.M., El-Masri, M., Ralph, J.L., Ohm, J.E. & Korniewicz, D.M. (March, 2014). Analysis of serum cytokines and DNA methylation in pregnant women with Group B Streptococcus colonization. Podium Presentation at Midwest Nursing Research Society. St. Louis, Missouri

**Wright, M.L.**, Anderson, C.M., Ralph, J.L. & Ohm, J.E. (April, 2014). DNA Methylation differences in pregnant women with Group B Streptococcus colonization. Poster Presentation at the 10<sup>th</sup> Annual Women's Health Research Day, VCU Institute for Women's Health. Richmond, Virginia

**Wright, M.L.**, Anderson, C.M. & Ohm, J.E. (September, 2013). DNA methylation patterns associated with immune function in maternal Group B Streptococcus colonization.

Poster Presentation at the University of North Dakota Epigenetics Symposium, Grand Forks, North Dakota

**Wright, M.L.**, Anderson, C.M., Korniewicz, D.M. & Ohm, J.E. (March, 2013). DNA methylation could unlock answers for maternal Group B Streptococcus colonization. Poster Presentation at Midwest Nursing Research Society. Chicago, Illinois

**Wright, M.L.**, Anderson, C.M., Korniewicz, D.M. & Ohm, J.E. (March, 2013). Intrapartum antibiotic administration and the development of disease in offspring. Poster Presentation at the University of North Dakota 2013 Scholarly Forum. Grand Forks, North Dakota

Anderson, C.M., Brown-Borg, H., Zeng, H., Uthus, E.O., Johnson, L., Ralph, J.L., Senti, J., **Wright, M.L.**, Best, L.G. & Ohm, J.E. (March, 2013). Vitamin D metabolism and genetic variants in preeclampsia. Poster Presentation at Midwest Nursing Research Society. Chicago, Illinois

**Wright, M.L.**, Anderson, C.M., Ralph, J.L. & Ohm, J.E. (November, 2012). Investigating DNA methylation and inflammatory proteins in maternal Group B Streptococcus colonization. Poster Presentation at the University of North Dakota Epigenetics Symposium, Grand Forks

Anderson, C.M., **Wright, M.L.**, Ralph, J.L., Uthus, E. & Ohm, J.E. (November, 2012). DNA methylation patterns for heritable risk for preeclampsia. University of North Dakota Epigenetics Symposium, Grand Forks

**Wright, M.L.**, Korniewicz, D.M., Anderson, C.M. & Ohm, J.E. (September, 2012). Inflammation and DNA methylation as Group B Streptococcus colonization biomarkers. Poster Presentation at North Dakota EPSCoR 2012 State Conference. Grand Forks, North Dakota

**Wright, M.L.**, Anderson, C.M., Uthus, E.O. & Ohm, J.E. (April, 2012). Validation of DNA methylation patterns: Potential biomarker for heritable risk of preeclampsia. Poster Presentation at Midwest Nursing Research Society. Dearborn, Michigan

**Wright, M.L.**, Anderson, C.M., Uthus, E.O. & Ohm, J.E. (February, 2012). Applying epigenetic methods in nursing research: Identification of potential biomarkers. Poster Presentation at the University of North Dakota 2012 Scholarly Forum. Grand Forks, North Dakota

---

## TEACHING ACTIVITIES

### Courses Taught

| Dates       | Name of Course  | Role in course              |
|-------------|---|-----------------------------|
| Summer 2018 | Ns284N Genomics Applications in Health Care   | Guest Lecture, (Microbiome) |
| Summer 2018 | NRSG 301 Pathophysiology for Nurses   | Co-Instructor               |
| Fall 2017   | NRSG 528 Advanced Physiology and Pathophysiology (2 sections, online and hybrid sections) | Faculty                     |

|  |   |  |
|--|---|--|
| Summer 2017, 2018<br>Spring 2017, 2018 | NRSG 431 Role Transition<br>NRSG 741 Big Data Analytics in<br>Healthcare                                    | Clinical Faculty<br>Guest Lecture,<br>(R for nursing)<br>Faculty |
| Spring 2017                            | NRSG 202 Human Anatomy and<br>Physiology II   | Faculty  |
| Fall 2016                              | NRSG 201 Human Anatomy and<br>Physiology I  | Faculty  |
| 08/2010- 08/2011                       | Clinical nursing instructor in hospital –<br>multiple courses   | Instructor   |
| 04/2009 – 08/2010                      | Nursing Fundamentals<br>Pharmacology  | Lead Instructor<br>Lead Instructor                               |
| 08/2007-05/2008                        | Basic Adult health (clinical and didactic)<br>Clinical nursing instructor in hospital –<br>multiple courses | Co-Instructor<br>Instructor                                      |

## PROFESSIONAL AND UNIVERSITY SERVICE ACTIVITIES

### Membership in Professional Organizations

|           |  |                |
|-----------|--|----------------|
| 2013-2012 | ISONG Metabolic Special Interest Group                     | Co-Chair       |
| 2012-2015 | American Association of the Advancement of<br>Sciences     | Student Member |
| 2012-2014 | American Physiological Society                             | Student Member |
| 2011-2015 | Midwest Nursing Research Society                           | Student Member |
| 2011-2013 | Association of Practitioners in Infection Control          | Student Member |
| 2011-2013 | American Society of Nutrition                              | Student Member |
| 2006-2009 | Emergency Nurses Association                               | Member         |
| 2009-     | American Nurses Association                                | Member         |
| 2004-     | Sigma Theta Tau International: Honor Society of<br>Nursing | Member         |
| 2012-     | International Society of Nurses in Genetics                | Member         |
| 2012-     | Council for the Advancement of Nursing Sciences            | Member         |
| 2016-     | American Association of the Advancement of<br>Sciences     | Member         |
| 2016-2018 | Georgia Nurses Association                                 | Member         |
| 2018-     | Texas Nurses Association                                   | Member         |

### Professional Development

|      |  |
|------|--|
| 2017 | Basic/Refresher Course, Human Subjects Research Curriculum, Web-<br>based presentation, CITI completed   |
| 2016 | Advanced Gene Mapping Course, Rockefeller University, New York, NY                                       |
| 2015 | Causal Discovery from Biomedical Data Summer Short Course, Carnegie<br>Mellon University, Pittsburgh, PA |
| 2014 | NINR Big Data Bootcamp, National Institutes of Health, Bethesda, MD                                      |
| 2014 | International Health Research Workshop, Virginia Commonwealth<br>University. Richmond, VA                |
| 2014 | NIH SBIR/STTR Proposal Prep Workshop. Richmond, VA   |

- 2014 Basic/Refresher Course, Human Subjects Research Curriculum, Web-based presentation, CITI completed
- 2013 Translational Science in Perinatal Biology Course, University of Texas Health Science Center, San Antonio, TX
- 2013 Human Teratogens, Harvard University, Boston, MA
- 2012 NINR Summer Genetics Institute Fellow, National Institutes of Health, Bethesda, MD
- 2011 Human Research Curriculum, Web-based presentation: CITI; completed
- 2011 Eliminating Health Disparities by addressing sociocultural and environmental root causes. University of Miami, Coral Gables, FL
- 2011 Future of Nursing, "From recommendation to implementation". University of Miami, Coral Gables, FL
- 2011 APIC Educational conference and international meeting: Translating Science-sustainable solution. Baltimore, MD
- 2010 Developing nurse scientist course, Web-based presentation: The National Institute of Nursing Research; completed
- 2010 Social and behavioral responsible conduct of research course, Web-based presentation: CITI; completed
- 2009 Faculty convocation, Keiser University, Ft. Lauderdale, FL
- 2009 Exam item writing seminar presented by ATI. Ft. Lauderdale, FL
- 2009 Teaching strategies for adult learners. Keiser University, Ft. Lauderdale, FL

**Manuscript Reviewer**

- 2018-present Ad-hoc Reviewer, *Frontiers in Microbiology*
- 2016-present Ad-hoc Reviewer, *Biological Research for Nursing*
- 2016-present Ad-hoc Reviewer, *Clinical Epigenetics*
- 2015-present Ad-hoc Reviewer, *Nursing Research*
- 2015 Abstract Reviewer, *International Society for Nurses in Genetics*

**National and International Consultation**

- 2011 Infection Control: Creation of action plan to reduce blood culture contamination, University of Miami Hospital

**Nell Hodgson Woodruff School of Nursing Service**

- 2016 Publication Guideline Task Force - Chair

**Prior Service at Other Universities**

- 2012-2013 PhD Student Representative, Graduate Council Committee, University of North Dakota
- 2011-2013 PhD Student Representative, College of Nursing Research and Scholarship Committee, University of North Dakota