



**CURRENT RESEARCH SUPPORT**

T32 DE014320 (Sheridan PI) 09/2016-06/2021

**Comprehensive Training in Oral and Craniofacial Sciences (COTC)**

This is an established program designed to train the next generation of basic and clinical research faculty in oral and craniofacial research. The program uses a flexible graduate curriculum and established interdisciplinary research programs to provide high quality training and career development. Training is set in a highly interactive health sciences center that has support from the College of Dentistry, OSU Graduate School, OSU Center for Clinical and Translation Science (OSU CCTS) and the NIDCR. The OSU CCTS is funded by a multi-year Clinical and Translational Science Award (CTSA) from the National Institutes of Health, and provides financial, organizational, and educational support to the CTOC.

Role: Faculty Mentor

R01 NR01366 (Christian PI) 08/07/2013-7/31/2018 Total award: \$1,923,854

**Maternal Stress, Obesity, and Influenza Virus Vaccine Immunogenicity in Pregnancy**

Examines effect of behavioral factors, particularly psychosocial stress and obesity, on maternal antibody responses to influenza virus vaccination, maintenance of maternal antibody levels through time of delivery, and efficiency of antibody transfer to the fetus.

T32 NR014225 (Salsberry PI) 06/2013-05/2018

**Optimizing Health in Childhood: Interdisciplinary Training in Health Development**

The overarching objective of this interdisciplinary training program is to prepare nurse scientists to understand how biology, social and environmental contexts intersect during childhood to influence life course health development and to use this knowledge to develop rigorous interdisciplinary programs of research to optimize health.

Role: Faculty Mentor

**Completed Research Support**

March of Dimes (Lockwood Site PI) 06/2013-05/2016

**Ohio Perinatal Collaborative**

This grant establishes a multisite collaborative focused on genetic, biological, and behavioral factors predicting preterm birth

Role: Collaborating Faculty for Theme 5: Sociobiology of Racial Disparities in Preterm Birth.

Collaborative Pilot Program (Ramilo & Christian Co-PIs) 06/26/2014 – 07/01/2016 Total award: \$50,000  
OSU College of Medicine/Nationwide Children's Hospital**Effects of Prenatal Maternal Stress on Transcriptional Immune Profiles in Women and Infants: Implications for Antibody Responses to Vaccines**

F31 NR014605-01 (Gillespie PhD Candidate) 06/12/2013-12/15/2015

**Stressed-induced cellular immune alterations and implications for preterm birth**

This study will examine a biopanel of inflammatory markers with the goal of predicting preterm birth risk among African American women

Role: Co-Sponsor/Faculty Mentor

Seed Grant (Feng PIs) 01/01/2014 – 12/31/2015 Total award: \$25,000

OSU Department of Human Sciences

**Prenatal and postnatal maternal stress, parenting, and children's physiological and behavioral regulation of stress during early childhood**

Examines effects of prenatal stress exposure (as indicated by biomarkers and self-report) and parenting behavior on stress reactivity in 3-4 year olds.

Role: Co-Investigator

R21 CA105632-06 (Paskett PI) 05/01/10-04/31/15

**Center for Population Health and Health Disparities: Reducing Cervical Cancer in Appalachia  
Project 3: Stress and Immune Responses to HPV Vaccination** (Ruffin PI)

Examines effects of psychosocial stress on antibody responses to HPV vaccination in Appalachian women.

Role: Co-Investigator

R21 HD067670 (Christian PI)

07/04/2011-06/30/2014

Total award: \$419,375

**Stress, Race, and Immune Adaptation Across Pregnancy: Predictors of Preterm Birth**

Examines effects of psychosocial stress and racial minority status on adaptation of the immune system across pregnancy with assessment of serum cytokines, stimulated cytokine production, and EBV latency during each trimester among African-American and European-American women.

Innovative Initiative Grant (Bailey & Christian Co-PIs)

04/05/2012-04/04/2013

Total award: \$50,000

The Ohio State University Food Innovation Center

**Maternal Obesity and Child Temperament as Predictors of Childhood Obesity: Mediating Role of the Intestinal Microbiota.** Examines effects of maternal obesity and childhood temperament on the development of beneficial versus less beneficial microbiota in the gut of children 22-26 months of age, with the long-term goal of identifying environmental and behavioral pathways by which early life factors affect obesity risk.

R21 HD061644 (Christian PI)

8/15/2009-7/31/2012

Total award: \$402,221

**Physiological Reactivity to Acute Stress During Pregnancy**

Examines cardiovascular, neuroendocrine, and immune reactivity to an acute laboratory stressor (Trier Social Stress Test) among pregnant and nonpregnant African-American and Caucasian women with the goal of delineating pathways by which chronic stress may contribute to racial disparities in preterm birth.

Seed Grant (Christian & Leblebicioglu Co-PIs)

10/01/09-09/30/11

Total award: \$30,000

The Ohio State University College of Dentistry

**Effects of Stress and Periodontal Disease on Immune Function During Pregnancy**

Examines the interactive effects of psychological stress and periodontal disease on systemic inflammatory processes during pregnancy

Pilot Grant (Christian PI)

04/01/2009 – 03/31/2010

Total award: \$30,000

The Ohio State University Center for Clinical and Translational Science

**Adaptation of the Physiological Stress Response During Pregnancy**

Provided initial start-up and additional neuroendocrine and immune analyses in the R21 described above

Pilot Grant (Iams PI)

9/01/2008-8/31/2010

Total award: \$9,600

Kirwan Institute for Race and Ethnicity Small Grants Program

**Stress, Health, and the Pregnancy Experience: The SHAPE Study**

Examines physiological indicators of stress, including neuroendocrine and immune markers, among nonpregnant African-American and Caucasian women with a history of no, one, and two or more preterm births

Role: Co-Investigator

**HONORS AND AWARDS**

**2017 The 2017 FAME Career Development Award for Researchers**

*The OSU Center for Faculty Advancement, Mentoring, and Engagement (FAME) annually grants on a competitive basis, up to two awards for faculty members who demonstrate significant achievements that are attributable to participating in faculty development programming, directly put on by, or sponsored by, the Center for FAME. The honoree(s) are awarded with a \$2500 honorarium and invited to present his or her achievements at a FAME Faculty Profiles Event, as well as recognized at an annual awards event.*

**2016 Academy of Behavioral Medicine Research Neal Miller Young Investigator Award**

*This award, established on the occasion of the 80<sup>th</sup> birthday of the Academy's most distinguished Fellow, is presented annually for imaginatively conceived and carefully conducted research.*

- 2016 The Psychoneuroimmunology Research Society Robert Ader New Investigator Award**  
*This prestigious award is presented to an outstanding new research scientist who has made exciting basic science or clinical contributions to the field of PNI. The award honors Dr. Ader's innovation and creativity as a scientist and recognizes his contributions to the instantiation of PNI as a meaningful endeavor dedicated to the betterment of health and the prevention of disease.*
- 2011 Academy for Behavioral Medicine Research Research Fellow**  
*Competitive application to attend the two day "ABMR Research Camp", providing individual mentoring and conference attendance all expenses paid.*

## PEER REVIEWED PUBLICATIONS

*Italicized names indicate students/post-docs.*

- Mitchell, A.M., **Christian, L.M.** (in press). Examination of the role of obesity in the association between childhood trauma and inflammation during pregnancy. *Health Psychology*.*
- Brook, M.J., **Christian, L.M.**, Hade, E., M., Ruffin, M. (in press) The Effect of Perceived Stress on Epstein-Barr Virus Antibody Titers in Appalachian Women. *Neuroimmunomodulation*.
- Gillespie, S.L., **Christian, L.M.**, Alston, A., Salsberry, P. (2017). Childhood stress and birth timing among African American women: Cortisol as biological mediator. *Psychoneuroendocrinology*, 84, 32-41.
- Christian, L.M.**, Beverly, C., *Mitchell, A.*, Karlsson, E., Porter, K., & Schultz-Cherry, & S. Ramilo, O. (in press) Effects of prior influenza virus vaccination on maternal antibody responses and cord blood antibody titers. *Vaccine*.
- Christian, L. M.**, Young, A. S., *Mitchell, A. M.*, Belury, M. A., Gracious, B. L., Arnold, L. E., & Fristad, M. A. (2017). Body weight affects  $\omega$ -3 polyunsaturated fatty acid (PUFA) accumulation in youth following supplementation in post-hoc analyses of a randomized controlled trial. *PLOS ONE*, 12, e0173087.
- Mitchell, A.M., & **Christian, L.M.** (2017). Financial strain and birth weight: The mediating role of psychological distress. *Archives of Women's Mental Health*, 20, 201-208.*
- Gillespie, S.L., Neal, J.L., **Christian, L.M.**, Szalacha, L.A., Salsberry, P.J. (2017). Interleukin-1 receptor antagonist polymorphism and birth timing: Pathway analysis among African Americans. *Nursing Research*, 66, 95-104.*
- Mitchell, A.M., Palettas, M., **Christian, L.M.** (2017). Fetal sex is associated with maternal stimulated cytokine production, but not serum cytokine levels, in human pregnancy. *Brain, Behavior, and Immunity*, 60, 32-37.*
- Christian, L.M.**, *Mitchell, A.M., Gillespie, S.L., Palettas, M.* (2016). Serum brain-derived neurotrophic factor (BDNF) across pregnancy and postpartum: Associations with race, depressive symptoms, and low birth weight. *Psychoneuroendocrinology*, 74, 69-76.
- Paropkari, A.D., Leblebicioglu, B., **Christian, L.**, Kumar, P.S. (2016). Smoking, pregnancy and the subgingival microbiome. *Scientific Reports*, 6, 30388.
- Gillespie, S.L., **Christian, L.M.** (2016). Body mass index (BMI) as a measure of obesity: Racial differences in predictive value for health parameters during pregnancy. *Journal of Women's Health*, 25, 1210-1218.*

- Gillespie, S., Porter, K., **Christian, L.M.** (2016). Adaptation of the inflammatory immune response across pregnancy and postpartum in Black and White women. *Journal of Reproductive Immunology*, 114, 27-31.
- Christian, L.M.**, Blair, L.M., Porter, K., Lower, M., Cole, Rachel M., Belury, M.A. (2016). Polyunsaturated fatty acids (PUFA) status in pregnant women: Associations with sleep quality, inflammation, and length of gestation. *PLOS One*, 11, e0148752.
- Gillespie, S., **Christian, L.M.**, Neal, J.L. (2015). A proposed bio-panel to predict risk for spontaneous preterm birth among African American women. *Medical Hypotheses*, 85, 558-564.
- Christian, L.M.**, Porter, K., Karlsson, E., Schultz-Cherry, S. (2015). Proinflammatory cytokine responses correspond with subjective side effects after influenza virus vaccination. *Vaccine*, 33, 3360-3366.
- Blair, L.M., Porter, K., Leblebicioglu, B., **Christian, L.M.** (2015). Poor sleep quality and inflammation predict preterm birth: Heightened risk among African Americans. *Sleep*, 38, 1259-1267.
- Hooper, E., Feng, X., **Christian, L.M.**, Slesnick, N. (2015). Emotion expression, emotionality, depressive symptoms, and stress: Maternal profiles related to child outcomes. *Journal of Abnormal Child Psychology*, 43, 1319-1331.
- Christian, L.M.**, Galley, J.D., Hade, E.M., Schoppe-Sullivan, S., Kamp-Dush, C., Bailey, M.T. (2015). Gut microbiome composition is associated with temperament during early childhood. *Brain, Behavior, and Immunity*, 45, 118-127.
- Christian, L.M.** (2015) Stress and immune function during pregnancy: An emerging focus in mind-body medicine. *Current Directions in Psychological Science*, 24, 3-9.
- Galley, J., Bailey, M., Kamp-Dush, C., Schoppe-Sullivan, S., & **Christian, L.M.** (2014). Maternal obesity is associated with alternations in the gut microbiome in toddlers." *PLoS ONE*, 9, e113026.
- Kiecolt-Glaser, J.K., Glaser, R., & **Christian, L.M.** (2014). Omega-3 fatty acids and stress-induced immune dysregulation: Implications for wound healing. *Military Medicine*, 179, 129-133.
- Christian, L.M.**, & Porter, K.P. (2014) Longitudinal changes in serum proinflammatory markers across pregnancy and postpartum: Effects of maternal body mass index. *Cytokine*, 70, 134-140.
- Jaremka, J., Belury, M.A., Andridge, R.R., Malarkey, W., Glaser, R., **Christian, L.M.**, Emery, C.F., Kiecolt-Glaser, J.K. (2014) Interpersonal stressors predict ghrelin and leptin levels in women. *Psychoneuroendocrinology*, 48, 178-188.
- Christian, L.M.** (2014). Effects of stress and depression on inflammatory immune parameters in pregnancy. *Invited Manuscript. American Journal of Obstetrics and Gynecology*, Special Report, 275-277.
- Christian, L.M.** (2014). Optimizing benefits of influenza virus vaccination during pregnancy: Potential behavioral risk factors and interventions. *Vaccine*, 32, 2958-2964.
- Christian, L.M.**, Glaser, R. Porter, K., Iams, J.D. (2013). Stress-induced inflammatory responses in women: Effects of race and pregnancy. *Psychosomatic Medicine*, 75, 658-669.
- Christian, L.M.**, Iams, J.D., Porter, K., & Leblebicioglu, B. (2013). Self-rated health among pregnant women: Associations with objective health status, psychological functioning, and serum inflammatory markers. *Annals of Behavioral Medicine*, 46, 295-309.

- Christian, L.M.**, Porter, K., Karlsson, E., Schultz-Cherry, S., & Iams, J.D. (2013). Serum proinflammatory cytokine responses to influenza virus vaccine among women during pregnancy versus non-pregnancy. *American Journal of Reproductive Immunology*, 70, 45-53.
- Christian, L.M.** (2012). Physiological reactivity to psychological stress in human pregnancy: Current knowledge and future directions. *Progress in Neurobiology*, 99, 106-116.
- Christian, L.M.**, Iams, J.D., Porter, K., & Glaser, R. (2012). Epstein-Barr virus reactivation during pregnancy and postpartum: Effects of race and racial discrimination. *Brain, Behavior, and Immunity*, 26, 1280-1287.
- Christian, L.M.** (2012). Psychoneuroimmunology in pregnancy: Immune pathways linking stress with maternal health, adverse birth outcomes, and fetal development. *Neuroscience and Biobehavioral Reviews*, 36, 350-361.
- Kiecolt-Glaser, J.K., **Christian, L.M.**, Andridge, R., Hwang, B.S., Malarkey, W.B., Belury, M.A., Emery, C.F., & Glaser, R. (2012). Adiponectin, leptin, and yoga practice. *Physiology and Behavior*, 107, 809-813.
- Christian, L.M.**, Iams, J.D., Porter, K., & Glaser, R. (2011). Inflammatory responses to seasonal influenza virus vaccine among pregnant women. *Vaccine*, 29, 8982-8987.
- Christian, L.M.**, Glaser, R., Porter, K., Malarkey, W.B., Beversdorf, D., Kiecolt-Glaser, J.K. (2011). Poorer self-rated health is associated with elevated inflammatory markers among older adults. *Psychoneuroendocrinology*, 36 (10), 1431-1588.
- Christian, L.M.**, Franco, A., Iams, J., Sheridan, J., & Glaser, R. (2010). Depressive symptoms predict exaggerated inflammatory responses to an *in vivo* immune challenge during pregnancy. *Brain, Behavior, and Immunity*, 24, 49-53.
- Kiecolt-Glaser, J.K., **Christian, L.M.**, Preston, H., Houtjes, C., Malarkey, W.B., Emery, C.F., Glaser, R. (2010). Stress, Inflammation, and Yoga Practice. *Psychosomatic Medicine*, 72 (2), 113-121.
- Pereira, D.B., **Christian, L.M.**, Patidar, S., Bishop, M.M., Dodd, S.M., Athanason, R., Wingard, J.R., Reddy, V.S. (2010). Spiritual Absence and One Year Mortality After Hematopoietic Stem Cell Transplant. *Biology of Blood and Marrow Transplantation* 16 (8), 1171-1179.
- Christian, L.M.**, Franco, A., Glaser, R., & Iams, J. (2009). Depressive symptoms are associated with elevated serum proinflammatory cytokines among pregnant women. *Brain, Behavior, and Immunity*, 23, 750-754.
- Christian, L.M.**, & Storch, E. (2009). Cognitive-behavioral therapy for postpartum onset obsessive-compulsive disorder with aggressive obsessions. *Clinical Case Studies*, 8 (1), 72-83.
- Christian, L.M.**, Graham, J.E., Padgett, D.A., Glaser, R., & Kiecolt-Glaser, J.K. (2006). Stress and wound healing. *Neuroimmunomodulation*, 13, 337-346.
- Graham, J.E., **Christian, L.M.**, & Kiecolt-Glaser, J.K. (2006). Stress, age, and immune function: Toward a life-span approach. *Journal of Behavioral Medicine*, 29(4), 389-400.
- Christian, L.M.**, & Stoney, C.M. (2006). Social support versus social evaluation: Unique effects on vascular and myocardial response patterns. *Psychosomatic Medicine*, 68, 914-921.

## BOOK CHAPTERS

**Christian, L.M.**, & Glaser, R. (2012). The impact of everyday stressors on the immune system and health. In A. Chouker (Ed.) *Stress Challenges and Immunity in Space – From Mechanisms to Monitoring and Preventive Strategies*. (pp 31-46). Heidelberg, Germany: Springer.

- This book was awarded the 2012 Life Science Book Award from the International Academy of Astronautics.

**Christian, L.M.**, Deichert, N.T., Gouin, J-P., Graham, J.E., & Kiecolt-Glaser, J.K. (2009). Psychological influences on neuroendocrine and immune outcomes. In J.T. Cacioppo & G.G. Berntson (Eds.) *Handbook of Neuroscience for the Behavioral Sciences*. Vol 2: 1260-79.

Graham, J.E., **Christian, L.M.**, & Kiecolt-Glaser, J.K. (2007). Close relationships and immunity. In R. Ader (Ed.), *Psychoneuroimmunology* (4 ed., Vol. 2, pp. 781-798). Burlington, MA: Elsevier Academic Press.

Graham, J. E., **Christian, L.M.**, & Kiecolt-Glaser, J. K. (2006). Marriage, health, and immune function: A review of key findings and the role of depression. In S.R.H. Beach, M.Z. Wamboldt, N.J. Kaslow, R.E. Heyman, M.B. First, L.G. Underwood, & D. Reiss (Eds.), *Relational Processes and DSM-V: Neuroscience, Assessment, Prevention, and Treatment*. (pp. 61-76). Washington DC: American Psychiatric Publishing, Inc.

## CONFERENCE PRESENTATIONS

*Italicized names indicate students/post-docs.*

1. *Mitchell, A.M.*, **Christian, L.M.** (2017). Psychological factors moderate the link between SES and inflammatory markers in pregnant women. The 24<sup>th</sup> Annual Meeting of the Psychoneuroimmunology Research Society (PNIRS), Galveston, TX.
2. *Mitchell, A.M.*, Kowalsky, J.M., Epel, E.S., Lin, J., Christian, L.M. (2017). Childhood adversity, social support, and telomere length among perinatal women. **Oral Presentation** at the 10th Annual Research Day of The Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, OH.
3. **Christian, L.M.**, Ramilo, O., Smith, B., Mejias, A., Carroll, J. (2017). African American women with subsequent preterm birth versus term delivery exhibit enhanced prenatal proinflammatory gene expression. **Oral Presentation** at the 24th Annual Meeting of the Psychoneuroimmunology Research Society (PNIRS), Galveston, TX.
4. *Gillespie, S.L.*, Neal, J.L., **Christian, L.M.**, Szalacha, L., Salsberry, P.J. (2016). Pathways to shortened gestation. Association of Women's Health, Obstetric, & Neonatal Nurses Annual Convention, Grapevine, TX.
5. *Gillespie, S.L.*, **Christian, L.M.**, Salsberry, P.J. (2016). Greater early life stress predicts earlier birth among African American women if stress is present during pregnancy. 2016 State of the Science Congress on Nursing Research: Determinants of Health, Washington, D.C.
6. *Gillespie, S.L.*, **Christian, L.M.**, Tan, A., McCarthy, D., Anderson, C.M. (2016). Genetic cytokine inflammatory response biomarkers improve prediction of early birth among asymptomatic African American women. **Oral Presentation** at 2016 International Society of Nurses in Genetics World Congress, Dublin, Ireland.
7. **Christian, L.M.** (2016). Psychoneuroimmunology in pregnancy. **Oral Presentation** at Academy of Behavioral Medicine Research (ABMR) Annual Meeting, Whistler, British Columbia.
8. **Christian, L.M.**, (2016). The Mind-body connection in maternal and child health: Stress, race, obesity, and immune function. The 23rd Annual Meeting of the Psychoneuroimmunology Research Society (PNIRS), Brighton, United Kingdom.

9. *Mitchell, A. M., Palettas, M. & Christian, L. M.* (2016). Fetal sex is associated with maternal stimulated cytokine production, but not serum cytokine levels, in human pregnancy. The 23rd Annual Meeting of the Psychoneuroimmunology Research Society (PNIRS), Brighton, United Kingdom.
10. *Beverly, C.M., Mitchell, A., Christian, L.M.* (2016). Effects of prior vaccination on influenza vaccine immunogenicity in pregnant women and antibody transfer to neonates. The 9<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, OH.
11. *Gillespie, S., Neal, J., Christian, L.M., Szalacha, L., McCarthy, D., Salsberry, P.* (2016). An IL1RN polymorphism predicts early delivery among African Americans: What roles do IL-1 $\beta$  and IL-1Ra production play? The 9<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, OH.
12. *Mitchell, A.M., Gillespie, S.L., Palettas, M., Christian, L.M.* (2016). Serum brain-derived neurotrophic factor (BDNF) across pregnancy and postpartum: Associations with race, depressive symptoms, and low birth weight. **Oral Presentation** at The 9<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, OH.
13. *Ritchie-Ewing, G., Mitchell, A., Christian, L.* (2016). Predicting breastfeeding duration with breastfeeding beliefs, breastfeeding intention, and maternal distress during pregnancy. The 9<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, OH.
14. *Saleska, J.L., Mitchell, A.M. Christian, L.M.* (2016). Socioeconomic mobility, race, and depressive symptoms in pregnancy. The 9<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, OH.
15. *Paropkari, A.D., Leblebicioglu, B., Christian, L., Kumar, P.S.* (2016). Effects of pregnancy and smoking on the subgingival microbiome. 45th Annual Meeting & Exhibition of the American Association for Dental Research. Los Angeles, California.
16. *Gray, A., Benderlioglu, Z., Casamassimo, P., Matthew, T., Yildiz, V., Christian, L., Leblebicioglu, B.* (2016). Factors associated with gingivitis in children and adolescents. 45th Annual Meeting & Exhibition of the American Association for Dental Research. Los Angeles, California.
17. *Hughes, K., Scheckelhoff, N., Yildiz, V., Christian, L., Leblebicioglu, B.* (2016). Oral health related quality of life and self-assessment of dental/periodontal health. 45th Annual Meeting & Exhibition of the American Association for Dental Research. Los Angeles, California.
18. *Howard, D., Christian, L.M.* (2016). Race, ethnicity, and Health. **Invited Presentation** at Diversity in Public Health Summit - Homelessness: Giving a Voice to an Underserved Population, Columbus, Ohio.
19. *Mitchell, A.M., Palettas, M., Christian, L.M.* (2016). Serum brain-derived neurotrophic factor (BDNF) across pregnancy and postpartum: Associations with race, depressive symptoms, and low birth weight. The 74<sup>th</sup> Annual Scientific Meeting of the American Psychosomatic Society, Denver, Colorado.
20. *Christian, L.M., Mitchell, A.M., Porter, K.* (2016). Poor sleep quality and parenting stress predict enhanced LPS-stimulated cytokine production among women during postpartum. **Oral Presentation** at the 74<sup>th</sup> Annual Scientific Meeting of the American Psychosomatic Society, Denver, Colorado.
21. *Christian, L.M., Lower, M., Blair, L.M., Porter, K., Cole, R., Belury, M.* (2015). Red blood cell long-chain polyunsaturated fatty acid (LC-PUFA) levels in pregnant women predict length of gestation via effects on sleep quality and inflammation. **Oral Presentation** at Biennial Perinatal Mental Health Conference. Chicago, Illinois.



22. *Blair, L., Porter, K., Leblebicioglu, B., & Christian, L.* (2015). Poor sleep quality and inflammation predict preterm birth: Heightened risk among African Americans. National Institute of Nursing Research 30<sup>th</sup> Anniversary Symposium. Washington, D.C. *Top Honor Pre- & Postdoctoral category.*
23. *B. Leblebicioglu, M. Burashed, L. Alssum, AC. Gross, TD. Eubank, L. Christian, V. Yildiz, DN. Tatakis.* (2015). Large Size Ridge Defects: Early Healing Outcomes Following GBR. EuroPerio8. London, UK.
24. **Christian, L.M., Blair, L.M., Porter, K., Lower, M, Cole, R.M., & Belury, MA.** (2015). Red blood cell long-chain polyunsaturated fatty acid (LC-PUFA) levels in pregnant women predict length of gestation via effects on sleep quality and inflammation. **Oral presentation** at the 22nd annual meeting of the Psychoneuroimmunology Research Society, Seattle, Washington.
25. *Leblebicioglu, B., Burashed, M., Alssum, L., Gross, AC., Eubank, TD., Christian, L, Yildiz, V., Tatakis, DN.* (2015). Pain Experience and Wound Fluid Content Following Guided Bone Regeneration. Oral Presentation at 44th Annual Meeting & Exhibition of the AADR. Boston, MA.
26. *Thayer, J.F., Koenig, J., Williams, D., Kapuku, G., Christian, L.M.* (2015). Impaired Vasodilation in Pregnant African Americans: Potential Antecedents and Consequences. **Oral Presentation** at the 73rd Annual Scientific Meeting of the American Psychosomatic Society, Savannah, GA.
27. **Christian, L.M., Blair, L.M., Porter, K., Leblebicioglu, B.** (2015). Poor Sleep Quality and Inflammation Predict Preterm Birth: Heightened Risk Among African Americans. **Oral Presentation** at the 73rd Annual Scientific Meeting of the American Psychosomatic Society, Savannah, GA.
28. *Hooper, E., Feng, X., Christian, L., Slesnick, N.* (2014). Maternal Emotion and Depressive Symptoms in Relation to Child Outcomes: A Person-Centered Approach. 2014 Hayes Graduate Research Forum, Columbus, OH.
29. *Galley, J., Bailey, M., Kamp-Dush, C., Schoppe-Sullivan, S. & Christian, L.M.* (2014). Effects of Maternal Obesity on the Intestinal Microbiota in Toddlers. Annual Scientific Meeting of the Psychoneuroimmunology Research Society, Philadelphia PA.
30. **Christian, L.M., & Porter, K.,** (2014). Longitudinal Changes in Serum Proinflammatory Markers across Pregnancy and Postpartum: Effects of Maternal Body Mass Index. Annual Scientific Meeting of the Psychoneuroimmunology Research Society, Philadelphia PA.
31. *Hooper, E., Feng, X. Christian, L., Slesnick N.* (2014). Emotion Expression, Depressive Symptoms, and Stress: Maternal Profiles Related to Child. Biennial Meeting of the International Society for the Study of Behavioral Development, Shanghai, China.
32. *Jaremka, L.M., Belury, M.A., Malarkey, W.B., Glaser, R., Christian, L.M., Emery, C.F., Kiecolt-Glaser, J.K.* (2014). Interpersonal Tension Predicts Appetite Hormone Levels. The 8<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, OH.
33. *Blair, L.M, Gillespie, S., Porter, K., Leblebicioglu, B., Iams, J., Christian, L.M.* (2014). Sleep Quality and Serum Proinflammatory Cytokines as Predictors of Length of Gestation. The 8<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, OH.
34. *Blair, L.M, Gillespie, S., Porter, K., Leblebicioglu, B., Iams, J., Christian, L.M.* (2014). Sleep Quality and Serum Proinflammatory Cytokines as Predictors of Length of Gestation. 2014 Nursing Research Day: Nurturing Excellence Through Nursing Research, Columbus, OH.
35. **Christian, L.M.** (2014). Stress and Immune Function During Pregnancy. **Oral Presentation** at North American Society for Psychosocial Obstetrics and Gynecology, Columbus, OH.
36. *Ritchie-Ewing, G.T., Leblebicioglu, B., Iams, J.D., Christian, L.M.* (2014). Psychological Correlates of Sleep Quality among Pregnant Women of Low Socioeconomic Status. **Oral Presentation** at 2014

Annual Meeting of the North American Society for Psychosocial Obstetrics and Gynecology, Columbus, OH.

37. *Blair, L.M, Gillespie, S., Porter, K., Leblebicioglu, B., Iams, J., Christian, L.M.* (2014). Sleep Quality and Serum Proinflammatory Cytokines as Predictors of Length of Gestation. 2014 annual Scientific Meeting of the North American Society for Psychosocial Obstetrics and Gynecology, Columbus, OH.
38. *Brook, M.J., Christian, L.M., Hade, E.M., Paskett, E.D., Glaser, R., Ruffin IV, M.T.* (2014). The Effect of Environmental Stress, Psychological Distress, and Related Behavioral Health Factors on Epstein-Barr Virus Antibody Titers in Appalachian Women. The 13<sup>th</sup> Annual OSUWMC Trainee Research Day. Columbus, OH.
39. *Gillespie, S.L., Leblebicioglu, B., Iams, J.D., Christian, L.M.* (2014). Sociodemographic, obstetric, and behavioral predictors of prenatal distress. 2014 Annual Meeting North American Society for Psychosocial Obstetrics and Gynecology, Columbus, OH.
40. *Harzman, A.E., Abdel-Misih, S., Nwomeh, B., Schaffif, J., Meyers, L., Shabsigh, A., Strafford, K., Waddel, V., Sinclair, L., Watson, D., Schmidt, C., Evans, C., Salani, R., Backes, F., Kapoor, R., Christian, L., Way, D., Danforth, D., Musindi, W.* (2014). Integrated Reproductive and Surgical Disease Curriculum: Results of a Pilot Study. The Association for Surgical Education Annual Meeting, Chicago, IL.
41. *Christian, L.M., Galley, J., Kamp-Dush, C., Schoppe-Sullivan, S. & Bailey, M.* (2014). Maternal Obesity, Child Temperament, and the Intestinal Microbiota in Toddlers. **Oral Presentation** at the 72nd Annual Scientific Meeting of the American Psychosomatic Society, San Francisco, CA.
42. *Burashed, M., Alssum, L., Chen, L.-S., Scheckelhoff, N., Christian, L., Tatakis, D.N., Leblebicioglu, B.* (2014). Treatment and Quality of Life Outcomes Following Guided Bone Regeneration. American Association for Dental Research Annual Meeting and Exhibition, Charlotte, North Carolina.
43. *Jaremka, L.M., Belury, M.A., Malarkey, W.B., Glaser, R., Christian, L., Emery, C.F., Kiecolt-Glaser, J.K.* (2014). Relationship Distress Predicts Hunger-Related Hormone Levels. American Psychosomatic Society Annual Meeting, San Francisco, CA.
44. *Leblebicioglu, B., Burashed, M., Lamees, A., Chen, L.S., Gross, A., Scheckelhoff, N., Eubank, T., Christian, L., Tatakis, D.* (2014). Early Healing Outcomes Following Alveolar Ridge Guided Bone Regeneration. 7<sup>th</sup> Annual Translational to Clinical (T2C) Regenerative Medicine Wound Care Conference, Columbus, OH.
45. *Harzman, A.E., Abdel-Misih, S., Nwomeh, B., Schaffir, J., Meyers, L., Shabsigh, A., Strafford, K., Waddell, V., Sinclair, L., Watson, D., Schmidt, C., Evans, C., Salani, R., Backes, F., Kapoor, R., Christian, L., Way, D., Danforth, D., Musindi, W.* (2013). Use of longitudinal preceptors during an integrated ob/gyn and surgery clerkship. The Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics Annual Meeting, Atlanta, GA.
46. *Harzman, A.E., Abdel-Misih, S., Nwomeh, B., Schaffir, J., Meyers, L., Shabsigh, A., Strafford, K., Waddell, V., Sinclair, L., Watson, D., Schmidt, C., Evans, C., Salani, R., Backes, F., Kapoor, R., Christian, L., Way, D., Danforth, D., Musindi, W.* (2013). Evaluation of an Integration of Medical Student Third Year Ob/Gyn and Surgery Clerkship. The Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics Annual Meeting, Atlanta, GA.
47. *Harzman, A.E., Abdel-Misih, S., Nwomeh, B., Schaffir, J., Meyers, L., Shabsigh, A., Strafford, K., Waddell, V., Sinclair, L., Watson, D., Schmidt, C., Evans, C., Salani, R., Backes, F., Kapoor, R., Christian, L., Way, D., Danforth, D., Musindi, W.* (2013). Reflective ability of third year medical

students in a fully integrated ob/gyn and surgery clerkship. The Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics Annual Meeting, Atlanta, GA.

48. *Marceau, K., Leblebicioglu, B., Iams, J.D., Christian, L.M.* (2012). Health behaviors, periodontal disease, and pregnancy outcomes among women of low socioeconomic status. The National Association of Social Workers 2012 Conference, Washington, D.C.
49. **Christian, L.M., Iams, J.D., Porter, K., & Glaser, R.** (2012) Reactivation of latent Epstein-Barr Virus in pregnancy: Effects of race and implications for preterm birth. The 19<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society, San Diego, California.
50. Leblebicioglu, B., Porter, K., Eubank, T., *Marceau, K., Scheckelhoff, N., & Christian, L.M.* (2012). Periodontal health status during pregnancy – Local immune environment and psychosocial stress. **Oral Presentation.** The annual meeting of the International Association for Dental Research (IADR), Iguacu Falls, Brazil.
51. *Long, R., Iams, J.D., & Christian, L.M.* (2012). Longitudinal changes in subjective stress across pregnancy. The 6<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, Ohio.
52. *Marceau, K., Leblebicioglu, B., Iams, J.D., & Christian, L.M.* (2012). Health behaviors, periodontal disease, and pregnancy outcomes among women of low socioeconomic status. The 6<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, Ohio.
53. **Christian, L.M., Iams, J.D., Porter, K., & Sheridan, J.** (2012). Psychological stress, obesity, and influenza virus vaccine immunogenicity in pregnant women. **Oral Presentation.** The 70<sup>th</sup> annual meeting of the American Psychosomatic Society (APS), Athens, Greece.
54. **Christian, L.M., Iams, J.D., & Glaser, R.** (2011). Seasonal influenza virus vaccination as a model to assess in vivo inflammatory responses among pregnant women. The 18<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society (PNIRS), Chicago, Illinois.
55. **Christian, L.M., Iams, J.D., Porter, K., & Leblebicioglu, B.** (2011). Psychological stress and oral health among pregnant women of low socioeconomic status. The 69<sup>th</sup> annual meeting of the American Psychosomatic Society (APS), San Antonio, Texas.
56. Lynch, C.D., Walker, H., **Christian, L.M., Ackerman, W.E., Rogers, L.K., Chandrasekaran, S., Dyson, K., Patrick, T.E., Iams, J.D.** (2011). The interplay among psychosocial and physiologic stress and race and their relation to preterm delivery: The SHAPE Study. The Society for Maternal-Fetal Medicine (SMFM), San Francisco, California.
57. *Marceau, K., Leblebicioglu, B., Iams, J.D., Christian, L.M.* (2011). Periodontal disease, oral health behavior, and depressive symptoms in pregnant women of low socioeconomic status. The 5<sup>th</sup> annual Research Day of the Ohio State University Institute for Behavioral Medicine Research (IBMR), Columbus, Ohio.
58. **Christian, L.M., Franco, A., Iams, J., Sheridan, J., & Glaser, R.,** (2009). Depressive symptoms predict exaggerated inflammatory responses to *in vivo* antigen challenge during pregnancy. **Oral presentation.** The 16<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society (PNIRS), Breckenridge, Colorado.

59. **Christian, L.M.**, Franco, A., Glaser, R., Iams, J. (2009). Low birth weight is associated with maternal distress and elevated serum macrophage migration inhibitory factor during pregnancy. The 67<sup>th</sup> annual meeting of the American Psychosomatic Society (APS), Chicago, Illinois.
60. **Christian, L.M.**, Franco, A., Glaser, R., Iams, J. (2008). Depressive Symptoms Predict Inflammation During Pregnancy. The 15<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society (PNIRS), Madison, Wisconsin.
61. **Christian, L.M.**, Pereira, D.B., Bishop, M.M., Dodd, S., Wingard, J.R., Reddy, V. (2008). Spiritual Absence Predicts Poorer 1-Year Survival Outcomes After Hematopoietic Stem Cell Transplant. The 66<sup>th</sup> annual meeting of the American Psychosomatic Society (APS), Baltimore, Maryland.
62. **Christian, L.M.**, Kiecolt-Glaser, J.K., Deichert, N.T., Beversdorf, D., & Glaser, R. (2007). Inflammation is Associated with Poorer Self-Rated Health. The 14<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society (PNIRS), Arcachon, France.
63. **Christian, L.M.**, Kiecolt-Glaser, J.K., Deichert, N.T., Beversdorf, D., & Glaser, R. (2007). Inflammation is Associated with Poorer Self-Rated Health. The Ohio State University Medical Center (OSUMC) Research Day, Columbus, Ohio.
64. **Christian, L.M.**, Graham, J.E., Glaser, R., Loving, T.J., Malarkey, W.B., & Kiecolt-Glaser, J.K. (2006). Social support buffers stress-induced impairments in wound healing. **Oral Presentation.** The 13<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society (PNIRS), Miami, Florida.
65. **Christian, L.M.**, Glaser, R., Malarkey, W.B., & Kiecolt-Glaser, J.K. (2006). Social support buffers the effects of stress on wound healing. **Citation Abstract.** The 64<sup>th</sup> annual meeting of the American Psychosomatic Society (APS), Denver, Colorado.
66. Graham, J.E., **Christian, L.M.**, Glaser, R., Loving, T.J., Malarkey, W.B., & Kiecolt-Glaser, J.K. (2006). Psychosocial predictors of wound healing during marital conflict. **Citation Abstract.** The 64<sup>th</sup> annual meeting of the American Psychosomatic Society (APS), Denver, Colorado.
67. **Jones (Christian), L.M.**, Robles, T.F., Kiecolt-Glaser, J.K., Malarkey, W.B., & Glaser, R. (2005). Loneliness Moderates the Effects of Chronic Stress on the Immune Response to a Pneumococcal Pneumonia Vaccine. The 12<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society (PNIRS), Denver, Colorado.
68. **Jones (Christian), L. M.**, & Stoney, C.M. (2005). The Effects of Social Support and Evaluation on Cardiovascular Reactivity to Acute Stress. The 63<sup>rd</sup> annual meeting of the American Psychosomatic Society (APS), Vancouver, Canada.

## POSTDOCTORAL RESEARCHERS

**August 2015 – June 2017** Amanda Mitchell, PhD

### 2017 Trainee Scholar Award

*Award for poster presentation at annual PNIRS meeting, providing \$500 toward conference attendance.*

### 2016 American Psychological Association Early Career Achievement Award

*Award for early career achievements, providing \$750 toward first time attendance at APA convention.*

### 2016 Oral Presentation Award, Institute for Behavioral Medicine Research Day, The Ohio State University Wexner Medical Center

*Award for presentation conducted at the annual IBMR Day (\$500).*

**2016 American Psychosomatic Society Young Investigator Colloquium Scholar**

*Competitive application to attend a colloquium at the annual APS meeting, providing grant writing feedback and conference attendance (\$500).*

**December 2015 – December 2016 Shannon Gillespie, PhD, RN**

**FUNDING**

15<sup>th</sup> Anniversary Nurse Scientist Research Grant                      10/1/2016-03/31/2018                      Total award: \$15,000  
(Gillespie PI)

Council for the Advancement of Nursing Science/Organizational Partners

**DNA methylation markers of preterm birth risk among asymptomatic African American women**

Examines patterns of DNA methylation, or chemical modifications of the genome, during asymptomatic pregnancy among African American women to identify potential biomarkers of preterm birth risk.

Nursing Research Grant    09/1/2016-08/31/2017                      Total award: \$10,000  
(Gillespie PI)

American Nurses Foundation/Council for the Advancement of Nursing Science

**DNA methylation markers of preterm birth risk among asymptomatic African American women**

Examines patterns of DNA methylation, or chemical modifications of the genome, during asymptomatic pregnancy among African American women to identify potential biomarkers of preterm birth risk.

**AWARDS****2016 University of Washington Summer Institute in Statistical Genetics Scholar**

*Competitive application to attend the "Introduction to R" and "Elements of R" modules, with module fees waived for accepted scholars (\$900).*

**2016 Nominee, American Association of Colleges of Nursing Outstanding Dissertation/DNP Project**

*Chosen as nominee by The Ohio State University College of Nursing following competitive review.*

**2016 Midwest Nursing Research Society Distinguished Abstract (Paper Presentation Division)**

*This designation is awarded to three abstracts following review of all abstracts submitted to the Midwest Nursing Research Society Annual Conference. Abstract: "An IL1RN polymorphism predicts early delivery among African American women."*

**2016 Midwest Nursing Research Society Distinguished Paper Presenter**

*This designation is awarded to one abstract following review of all abstracts submitted for paper presentations at the Midwest Nursing Research Society Annual Conference. The distinguished paper presenter is invited to represent the regional society at the Council for the Advancement of Nursing Science State of the Science Congress. Abstract: "An IL1RN polymorphism predicts early delivery among African American women."*

**2016 Sigma Theta Tau International (Epsilon Chapter) Graduate Student Award**

*This award is given to a graduate student who has demonstrated superior scholarship and leadership abilities while a student in the College of Nursing.*

**2016 Midwest Nursing Research Society Graduate Research Award**

*This award recognizes an outstanding graduate student who demonstrates the potential to contribute significantly to women's health and/or childbearing transitions research.*

**2014 The Ohio State University's Edward J. Ray Travel Award for Scholarship and Service**

*This award enables graduate students to present original research at professional conferences by reimbursing expenses incurred during travel. Judges give substantial weight to the applicant's service, academic standing, and professional goals.*

**QUALIFYING EXAM/DISSERTATION/MASTERS COMMITTEES**

- 2012 - 2015      Comprehensive Qualifying Exam & Dissertation Committee Member  
Shannon Gillespie, RN, MA  
College of Nursing  
Primary Mentor: Jeremy Neal, PhD, CNM, RN
- 2012 – 2016      Comprehensive Qualifying Exam Committee Member  
Genevieve Ritchie-Ewing, MA  
Anthropology  
Primary Mentor: Barbara Piperata, PhD
- 2012 – 2014      Master's Thesis Committee Member  
Munirah Burashed  
College of Dentistry  
Primary Mentor: Binnaz Leblebicioglu, DDS, PhD
- 2013 – 2016      Master's Thesis Committee Member  
Brian Roy  
College of Dentistry  
Primary Mentor: Dimitris Tatakis, DDS

### RESEARCH ADVISOR

- 2015 – 2016      Chloe Beverly, Graduate Student, College of Public Health  
Project: *Effects of Prior Vaccination on Influenza Vaccine Immunogenicity in Pregnancy*
- 2015 – 2016      Jessica Saleska, Graduate Student, College of Public Health  
Project: *Socioeconomic Mobility in Relation to Mood and Health Behaviors in Pregnancy*
- 2015 – 2016      Genevieve Ritchie-Ewing, MA, Department of Anthropology  
Project: *Psychosocial Distress during Pregnancy as a Predictor of Postpartum Breastfeeding Behaviors*

### COURSES/ SUPERVISION

- Spring 2017      Undergraduate Research in Psychology (Psychology 4998; 3 students)
- Autumn 2016      Undergraduate Research in Psychology (Psychology 4998; 3 students)
- Spring 2016      Undergraduate Research in Psychology (Psychology 4998; 3 students)
- Autumn 2015      Dissertation Research in Psychology (Psychology 8999; 1 student)
- Autumn 2015      Undergraduate Research in Psychology (Psychology 4998; 3 students)
- Spring 2015      Undergraduate Research (Psychology 4998; 2 students)
- Spring 2015      Dissertation Research in Psychology (Psychology 8999; 1 student)
- Autumn 2014      Undergraduate Research (Psychology 4998; 2 students)
- Autumn 2014      Dissertation Research in Psychology (Psychology 8999; 1 student)
- Summer 2014      Practicum in Public Health (PUBHLTH 7189; 1 student)
- Summer 2014      Dissertation Research in Psychology (Psychology 8999; 1 student)
- Spring 2014      Dissertation Research in Psychology (Psychology 8999; 2 students)
- Spring 2014      Graduate Research (Psychology 6193; 1 student)
- Spring 2014      Undergraduate Research (Psychology 4998; 3 students)
- Spring 2014      Undergraduate Research (Biology 4998; 1 student)
- Autumn 2013      Dissertation Research in Psychology (Psychology 8999; 2 students)
- Autumn 2013      Undergraduate Research (Psychology 4998; 3 students)
- Autumn 2013      Undergraduate Research (Biology 4998; 1 student)
- Autumn 2013      Graduate Research (Psychology 6193; 1 student)
- Summer 2013      Graduate Research (Psychology 8999; 1 student)
- Spring 2013      Undergraduate Research (Psychology 4998; 2 students)

Winter 2013	Undergraduate Research (Psychology 4998; 2 students)
Autumn 2012	Undergraduate Research (Psychology 4998; 1 student)
Autumn 2012	Dissertation Research in Psychology (Psychology 8999; 1 student)
Summer 2012	Dissertation Research in Psychology (Psychology 8999; 1 student)
Spring 2012	Undergraduate Research (Psychology 699; 2 students)
Winter 2012	Undergraduate Research (Psychology 699; 3 students)
Autumn 2011	Undergraduate Research (Psychology 699; 3 students)
Spring 2011	Undergraduate Research (Psychology 699; 2 students)
Winter 2011	Undergraduate Research (Psychology 699; 2 students)
Autumn 2010	Undergraduate Research (Psychology 699; 2 students)
Spring 2010	Undergraduate Research (Psychology 699; 2 students)
Winter 2010	Undergraduate Research (Psychology 699; 2 students)
Oct 2008 – May 2009	Obstetrics & Gynecology Fellow Research Advisor
Oct 2008 – May 2009	Medical Student Research Advisor
Autumn 2006	Undergraduate Research (Psychology 699; 1 student)
September 2004 – June 2005	Psychology 331: Abnormal Psychology
September 2002 – June 2004	Psychology 100: Introductory Psychology

### DEPARTMENTAL LECTURES

September 2016	“The Mind-Body Connection in Maternal and Child Health: Linking Stress and the Immune System” Department of Psychiatry & Behavioral Health Grand Rounds. The Ohio State University Wexner Medical Center.
March 2016	“Race, stress, and immune dysregulation during pregnancy.” Department of Psychiatry Behavioral Sciences Research Forum. The Ohio State Wexner Medical Center.
October 2013	“Psychosocial Predictors of Altered Immune Parameters in Pregnant Women.” Department of Psychiatry Grand Rounds. The Ohio State University Wexner Medical Center.
May 2012	“Perinatal Psychoneuroimmunology: Stress and Health in Pregnancy” Department of Psychiatry Grand Rounds. The Ohio State University Wexner Medical Center.
April 2012	“Cognitive Behavioral Therapy for Pain Management” Department of Psychiatry Resident Seminar. The Ohio State University Medical Center.
January 2012	“Cognitive Behavioral Therapy for Insomnia” Department of Psychiatry, Resident Seminar. The Ohio State University Medical Center.
January 2011	“Clinical Case Study: Cognitive Behavioral Treatment for Postpartum Onset Obsessive Compulsive Disorder.” Psychiatry Grand Rounds, The Ohio State University Wexner Medical Center.
December 2009	“Cognitive Behavioral Therapy for Insomnia,” Department of Psychiatry Resident Seminar. The Ohio State University Medical Center.
March 2008	“Stress, depression, and inflammation during pregnancy,” Psychiatry Grand Rounds, The Ohio State University College of Medicine.

### OTHER DEPARTMENTAL TEACHING

Sept 2009 – Feb 2014; Aug 2016 – present	Cognitive Behavioral Therapy Supervisor OSUMC Psychiatry Residency Program
Nov 2012 – March 2013	Journal Club Faculty Mentor OSUMC Psychiatry Residency Program

**GUEST LECTURES**

- December 2014 “Perinatal Psychoneuroimmunology”, Graduate Seminar in Clinical Psychology. The Ohio State University
- October 2013 “Perinatal Psychoneuroimmunology”, Graduate Seminar in Clinical Psychology. The Ohio State University
- February 2010 “Physiological Pathways Linking Stress and Health,” PH HBP 850: Fundamental Determinants of Population Health and Implications for Public Health Practice. The Ohio State University.
- February 2010 “Perinatal Psychoneuroimmunology,” Neuroscience Graduate Studies Program Special Topic Course in Psychoneuroimmunology (NeuroGSP 797). The Ohio State University.
- November 2008 “Physiological Pathways Linking Socioeconomic Status and Health,” PH HBP 850: Fundamental Determinants of Population Health and Implications for Public Health Practice. The Ohio State University.

**INVITED TALKS**

- 10/2016 “The Mind-Body Connection in Maternal and Child Health: Linking Stress and the Immune System”. Department of Psychiatry, Montefiore Medical Center, Bronx, NY, USA (National Audience).
- 06/2016 “Stress, Race and Immune Function in Pregnancy” The Psychoneuroimmunology Research Society Annual Conference. Brighton Beach, England (International Audience).
- 06/2016 “Stress, Race and Immune Function in Pregnancy” The Academy of Behavioral Medicine Research Annual Conference. Whistler, British Columbia, Canada (International Audience).
- 02/2016 “Race, Stress, and Immune Dysregulation during Pregnancy.” Division of Environmental Health Sciences Seminar Series. The Ohio State University College of Public Health. (Local Audience).
- 02/2015 “Linking Omega-3 Fatty Acids, Sleep Quality Inflammation, and Preterm Birth: Heightened Risk in African Americans”. The Ohio State University Center for Women’s Health. (Local Audience).
- 09/2014 “Including Obese Pregnant Women in Vaccine Studies: Why, Who, and How” The NIH Clinical Research in Pregnant Women Conference. Bethesda, Maryland (International Audience).
- 04/2014 “Effects of Stress on Immune Function in Pregnancy” The North American Society for Psychosocial Obstetrics & Gynecology (NASPOG) Annual Meeting, Columbus, Ohio (International Audience).
- 01/2014 “Stress and Immune Function in Pregnancy.” The Ohio State University College of Nursing T32 Training Grant in Optimizing Health in Childhood Seminar Series. (Local Audience)
- 01/2013 “Psychoneuroimmunology in Pregnancy: Effects of Race and Stress on Inflammation and Viral Latency.” The Ohio State University Center for Women’s Health Research Collaboration Speaker Series. (Local Audience).
- 09/2013 “Stress, Depression, and Immune Function in Pregnant Women.” The American Gynecological and Obstetrical Society (AGOS) Annual Meeting, Chicago, IL. (International Audience).
- 04/2011 “Perinatal Psychoneuroimmunology: Stress and Health in Pregnancy”. University of Pittsburgh, Pittsburgh, PA. Pittsburgh Mind Body Center Speaker Series. (Regional Audience).



- 03/2011 "Effects of Stress on Health and Immune Function in Pregnancy" Friends of Harding Hospital, Columbus, Ohio. (Local Audience).
- 02/2011 "How to Get from There to Here Panel Discussion." Presented at the OSU College of Medicine Research Celebration Kick-Off Event. The Ohio State University Medical Center. (Local Audience).
- 11/2010 "Stress and Health in Pregnancy: Perinatal Psychoneuroimmunology". Human Development & Family Science Brown Bag. The Ohio State University, Columbus, Ohio (Local Audience).
- 01/2010 "Stress and Health in Pregnancy," College of Nursing Colloquium Series. The Ohio State University, Columbus, Ohio (Local Audience).
- 10/2008 "Stress, Depression, and Immune Function During Pregnancy: A role for omega-3 fatty acids?" OSU Dept of Human Nutrition Seminar Series, Columbus, Ohio (Local Audience).

## **OTHER TEACHING**

- March 2017-present **Certified Facilitator of Mentorship Training  
National Research Mentoring Network (NRMN)**
- Dec 2016, April 2016,  
July 2015, July 2014,  
Jan 2012, March 2011 **Mentorship Training Facilitator  
Center for Clinical and Translational Science (CCTS)**  
Served as facilitator for a mentorship training program sponsored by the CCTS for 16-21 OSU faculty from assistant professor through full professor. This workshop includes two three-hour sessions, or four two-hour sessions, involving case studies and group activities.
- September 2012 **Mentorship Training Facilitator  
OSUWMC Physical Therapy Program**  
Served as facilitator for ½ day training session for 28 physical therapy residents upon request from the Coordinator of the Orthopaedic Residency Program at the OSU Sports Medicine.
- August 2010 **Mentorship Facilitator Training  
University of Wisconsin - Madison**  
Attended a 2-day training seminar in Madison, Wisconsin in August 2010 to learn to be a facilitator of empirically-based mentorship trainings.

## **SERVICE ACTIVITIES**

### **National/International**

- 2017 – present **Board of Directors**  
Psychoneuroimmunology Research Society (PNIRS)
- 2017 – present **Women and Mood Disorders Task Force Member**  
National Network of Depression Centers (NNDC)
- 2017 – present **Editorial Board Member**  
Health Psychology
- 2017 – present **Editorial Board Member**  
Brain, Behavior, and Immunity
- October 2015 **Ad Hoc NIH Study Section Member**  
Infectious Diseases, Reproductive Health, Asthma and Pulmonary Conditions (IRAP)

2014 – 2017	<b>Nominating Committee Member</b> Psychoneuroimmunology Research Society (PNIRS)
2011 – 2014	<b>Program Committee Member and Mentor-Mentee Reception Coordinator</b> American Psychosomatic Society (APS) Annual Meeting
2009 – present	<b>Abstract Reviewer</b> American Psychosomatic Society
2014-2015	<b>External Reviewer</b> Health Research Board (HRB) of Ireland
2012 - present	<b>Abstract Reviewer</b> American Psychological Association (APA) Division 38 (Health Psychology) 2013 Annual Meeting
October 2014	<b>Ad Hoc NIH Study Section Member</b> Mechanisms of Emotions Stress and Health (MESH)
June 2013	<b>Grant Reviewer</b> Swiss National Science Foundation
June 2013	<b>Ad Hoc NIH Study Section Member</b> ZNR1 REV-T(16): Effects of the Microbiome on Preterm Birth and Delivery
2013 – 2014	<b>North American Society for Psychosocial Obstetrics &amp; Gynecology (NASPOG)</b> Organizing Committee for 2014 Annual Meeting
2012-2013	<b>Membership Committee</b> Psychoneuroimmunology Research Society (PNIRS)
2012	<b>Ad Hoc NIH Study Section Member</b> ZRG1 BBBP-J (50): Special Emphasis Panel, RFA: Mechanistic Pathways Linking Psychosocial Stress and Behavior

**University/College**

2015-present	<b>Committee Member</b> OSU Food Innovation Center Proposal Review Committee
December 2015	<b>Grant Reviewer</b> OSU Center for Clinical and Translational Science I K Award Study Section
2013-2015	<b>Abstract Reviewer</b> Edward F. Hayes Graduate Research Forum
2012-2014	<b>Faculty Judge</b> OSUWMC Research Day
July 2012	<b>Graduate Faculty Representative</b> Dissertation Defense Daniel Bower, Human Development and Family Sciences
March 2012	<b>Workshop Leader</b>

Strategies for Effective Mentoring  
 Tools of the Trade  
 Sponsored by the OSU Center for Clinical and Translational Science

- 2010-2011      **Grant Reviewer**  
 OSU Center for Clinical and Translational Science Pilot Award Program
- 2010 – 2013      **Committee Member**  
 Lead. Serve. Inspire. OSU Medical School Curriculum Development Committee  
 Social and Behavioral Sciences Task Force Representative  
 Surgical & Reproductive Health Committee Member
- May 2010      **Faculty Judge**  
 Richard J. & Martha D. Denman Undergraduate Research Forum
- February 2010      **Faculty Evaluator**  
 Maximus Scholarship Competition
- 2010 – 2011      **Committee Member**  
 Center for Clinical and Translational Science Mentorship Workgroup
- November 2009      **Graduate Faculty Representative**  
 Dissertation Defense  
 Jennifer Stewart, Business Administration
- May 2009      **Faculty Judge**  
 Richard J. & Martha D. Denman Undergraduate Research Forum
- April 2009      **Team member**  
 OSUMC March for Babies Team (March of Dimes)

**Department/Institute**

- 2010 – 2011, 2016      **Primary Coordinator**  
 Institute for Behavioral Medicine Research (IBMR) Research Day
- 2009, 2011, 2012,  
 2014, 2016, 2017      **Abstract/Presentation Judge**  
 Institute for Behavioral Medicine Research (IBMR) Research Day
- 2010 – 2011      **Committee Member**  
 Department of Psychiatry/Harding Hospital Strategic Planning Committee
- 2009, 2010      **Co-Coordinator**  
 Institute for Behavioral Medicine Research (IBMR) Research Day
- October 2008      **Psychiatry Department Representative**  
 Landacre Honor Society Research Fair

**AD HOC REVIEWER**

American Journal of Epidemiology  
 American Journal of Obstetrics and Gynecology  
 American Journal of Perinatology  
 American Journal of Reproductive Immunology  
 Annals of Behavioral Medicine

Biological Psychiatry  
Biological Psychology  
Current Directions in Psychological Science  
Hormones and Behavior  
Journal of Affective Disorders  
Journal of Behavioral Medicine  
Journal of Psychosomatic Research  
Journal of Reproductive Immunology  
Journal of Women's Health  
Journal of Wound Care  
Lipids  
Neuroscience and Biobehavioral Reviews  
Physiology & Behavior  
PLOS ONE  
Psychosomatic Medicine  
Psychoneuroendocrinology  
Vaccine

**PROFESSIONAL AFFILIATIONS**

American Psychosomatic Society (APS)  
Psychoneuroimmunology Research Society (PNIRS)  
North American Society for Psychosocial Obstetrics and Gynecology (NASPOG)  
Sleep Research Society (SRS)