

## **CURRICULUM VITAE**

Brandie DePaoli Taylor, Ph.D., M.P.H.  
Dept.: Epidemiology/ Biostatistics/ College of Public Health  
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### **Professional Positions**

Current	<i>Associate Professor</i> Temple University, College of Public Health, Department of Epidemiology and Biostatistics, Philadelphia, PA
2014-2018	<i>Assistant Professor</i> Texas A&M University, School of Public Health, Department of Epidemiology and Biostatistics, College Station, Texas
2014-2018	<i>Director</i> Program in Reproductive and Child Health, School of Public Health, Texas A&M University, School of Public Health
2014-2018	<i>Faculty Member</i> Interdisciplinary Faculty in Reproductive Biology, Texas A&M University
2012 -2014	<i>Postdoctoral Associate</i> University of Pittsburgh, Department of Epidemiology, Pittsburgh, PA
2011-2012	<i>Postdoctoral Fellow</i> , National Research Service Award (NRSA) Institutional Training Grant Michigan State University, Department of Epidemiology, East Lansing, MI
2009-2011	<i>Predoctoral Fellow</i> , National Research Service Award (NRSA) Institutional Training Grant University of Pittsburgh, Department of Epidemiology, Pittsburgh, PA
2008-2009	<i>Graduate Student Researcher</i> University of Pittsburgh, Department of Epidemiology, Pittsburgh, PA

### **Education**

2011	Ph.D. University of Pittsburgh Graduate School of Public Health	Epidemiology
2007	M.P.H. University of Pittsburgh Graduate School of Public Health	Epidemiology
2006	B.S. California University of Pennsylvania Eberly College of Science and Technology	Biology
2006	Community wildlife management studies and field research in Kimana, Kenya, East Africa School for Field Studies; Accredited through Boston University	

## Peer Reviewed Publications

\*Student Author

1. Zheng X, O'Connell CM, Zhong W, Poston TB, Wiesenfeld HC, Hillier SL, Trent M, Gaydos C, Tseng G, **Taylor BD**, Darville T. Gene Expression Signatures Can Aid Diagnosis of Sexually Transmitted Infection-Induced Endometritis in Women. *Frontiers in Cellular and Infection Microbiology*. In Press August 2018
2. Hadley EE, Sheller-Miller S, Salomon C, Saade GR, Mesiano S, Taylor RN, **Taylor BD**, Menon R. Amnion Epithelial Cell Derived Exosomes Induce Inflammatory Changes in Uterine Cells. *American Journal of Obstetrics and Gynecology*, In Press August 2018
3. **Taylor BD**, Haggerty CL, Ness RB, Hougaard DM, Skogstrand K, Roberts JM, Olsen J. Fetal sexual dimorphism in systemic soluble fms-like tyrosine kinase 1 (sFLT) among normotensive and preeclamptic women. *American Journal of Reproductive Immunology*, In Press August 2018
4. Ayad MT, **Taylor BD**, Menon R. Regulation of p38 Mitogen Activated Kinase Mediated Fetal Membrane Senescence by Statins. *American Journal of reproductive Immunology*. 2018 Jun 17:e12999. doi: 10.1111/aji.12999. [Epub ahead of print]
5. \*Nickodem C, Criscitiello M, Bazer F, \*Abiodun-Ojo A, **Taylor BD**. Pilot investigation of vaginal expression of novel interferon epsilon across pregnancy. *American Journal of reproductive Immunology*. 2018 Jun 14:e12995. doi: 10.1111/aji.12995. [Epub ahead of print]
6. **Taylor BD**, Ness RB, Klebanoff MA, Roberts JM, Bass D, Hougaard DM, Skogstrand K, Haggerty CL. The impact of female fetal sex on preeclampsia and the maternal immune milieu. *Pregnancy Hypertension. Pregnancy Hypertension* 2018 Feb 24;12:53-57. doi: 10.1016/j.preghy.2018.02.009. [Epub ahead of print]
7. **Taylor BD**, Zheng X, O'Connell C, Wiesenfeld H, Hillier S, Zhong W, Darville T. Risk factors for *Mycoplasma genitalium* endometritis and incident infection: A secondary data analysis of the T-cell Response Against Chlamydia (TRAC) Study. *Sexually Transmitted Infections* 2018 Mar 21. pii: sextrans-2017-053376. doi: 10.1136/sextrans-2017-053376. [Epub ahead of print]
8. Foodland F, **Taylor BD**, Shelburne S, Arias C, \*Aitkan S. Association of Daptomycin Dosing Regimen and Mortality in Patients with Vancomycin-resistant Enterococcus Bacteremia: A Review. *Journal of Antimicrobial Chemotherapy*. 2018 Mar 13. doi: 10.1093/jac/dky072. [Epub ahead of print]
9. **Taylor BD**, Totten PA, Astete SG, Ferris MJ, Norori J, Ness RB, Haggerty CL. Toll-like receptor 2 variants are associated with *Atopobium vaginae* and endometrial infection with fastidious microorganisms. *American Journal of Reproductive Immunology* 2018 Feb;79(2). doi: 10.1111/aji.12804. Epub 2017 Dec 29. PMID:29286178
10. \*Zhang X, Xu X, Zhong Y, Power MC, **Taylor BD**, Carrillo G. Serum folate levels and urinary arsenic methylation profiles in the US population: NHANES, 2003–2012 *Journal of Exposure Science and Environmental Epidemiology*. 2018 Feb 26. doi: 10.1038/s41370-018-0021-5. [Epub ahead of print] PMID: 29483566
11. Shen Y, Hu H, **Taylor BD**, Kan H, Xu X. Early Menarche and Gestational Diabetes Mellitus at First Live Birth. *Maternal and Child Health Journal*. 2017 Mar;21(3):593-598
12. **Taylor, BD**. Zheng, X., Darville, T., \*Abiodun-Ojo, O., Konganti, K., Ness, RB., O'Connell, C., Haggerty, CL. Whole-Exome Sequencing to Identify Novel Biological Pathways Associated With Infertility After Pelvic Inflammatory Disease. *Sexually Transmitted Diseases* 2017 Jan;44(1):35-41. PMID: 27898568

13. Russell AN, Zheng X, O'Connell CM, Wiesenfeld HC, Hillier SL, **Taylor BD**, Picard M, Fletcher J, Zhong W, Darville T. Identification of *Chlamydia trachomatis* antigens recognized by T cells from high-risk women who limit or resist genital tract infection. *Journal of Infectious Diseases* 2016 15;214(12):1884-1892. PMID: 27738051
14. **Taylor BD**, Ness RB, Klebanoff MA, Zoh R, Bass D, Hougaard DM, Skogstrand K, Haggerty CL. Systemic first and second trimester immunological biomarkers in preeclamptic and normotensive women. *Pregnancy Hypertension* 2016 Oct;6(4):388-393. PMID: 27939488
15. Haggerty CL, Totten PA, Tang G, Astete SG, Ferris MJ, Norori J, Bass DC, **Taylor, BD**, Ness RB. Identification of novel microbes associated with pelvic inflammatory disease and infertility. *Sexually Transmitted Infections* 2016, Sep;92(6):441-6. PMID: 26825087
16. Dutta EH, Boldogh I, Behnia F, Saade GR, **Taylor BD**, Kacerovsky M, Menon R. Oxidative Stress Damage Associated Molecular Signaling Pathways Classifies Spontaneous Preterm Birth and Preterm Premature Rupture of the Membranes. *Human Molecular Reproduction* 2016;22(2):143-57. PMID: 26690900
17. **Taylor BD**, Tang G, Ness RB, Olsen J, Hougaard DM, Skogstrand K, Roberts JM, Haggerty CL. Mid-pregnancy Circulating Immune Biomarkers in Women with Preeclampsia and Normotensive Controls. *Pregnancy Hypertension* 2016; 6(1):72-8. PMID: 26955776
18. Russell A, Zheng X, O'Connell C, **Taylor BD**, Wiesenfeld H, Hillier S, Zhong W, Darville T. Analysis of factors driving incident and ascending infection and the role of serum antibody in Chlamydia trachomatis genital tract infection. *Journal of Infectious Diseases*; 2016;213(4):523-3. PMID: 26347571
19. Xu X, Chen X, Hu H, Dailey AB, **Taylor BD**. Current Opinion in the Role of Testosterone in the Development of Prostate Cancer: A Dynamic Model. *BMC Cancer*; 2015 Oct 26;15:806. PMID: 26502956
20. Polentini J., Behnia F., **Taylor BD**, Saade GR., Taylor RN., Menon R. Telomere fragment induced amnion cell senescence: A contributor to parturition? *PLoS One*. 2015;10(9):e0137188. PMID: 26397719
21. Behnia F, **Taylor BD**, Woodson M, Kacerovský M, Hawkins H, Fortunato SJ, Saade GR, Menon R, Chorioamniotic Membrane Senescence: A Signal for Parturition? *American Journal of Obstetrics and Gynecology* 2015; 213(3):359. PMID: 26025293
22. **Taylor BD**, Ness RB, Olsen J, Hougaard DM, Skogstrand K, Roberts JM, Haggerty CL. Serum leptin measured in early pregnancy is higher in women who later develop preeclampsia compared to normotensive pregnant controls. *Hypertension*. 2015 Mar;65(3):594. PMID:25510827
23. **Taylor BD**, Darville T, Ferrell R, Ness RB, Kelsey S., Haggerty CL. Cross-sectional analysis of Toll-like receptor variants and bacterial vaginosis in African American women with pelvic inflammatory disease. *Sexually Transmitted Infections* 2014;90:563-566. PMID:24848367
24. **Taylor BD**, Holzman C, Fichorova RN, Tian Y, Jones NM, Fu W. Inflammation biomarkers in vaginal fluid and preterm delivery. *Human Reproduction* 2013;28:942-52. PMID:23416276
25. **Taylor BD**, Darville T, Ferrell R, Ness RB, Haggerty CL. Racial differences in the allelic distribution of Toll-like receptor variants among women with pelvic inflammatory disease. *The Journal of Infectious Diseases* 2013; 207:940-946. PMID: 23255565
26. **Taylor BD**, Darville T, and Haggerty CL. Does bacterial vaginosis cause pelvic inflammatory disease? *Sexually Transmitted Diseases* 2013; 40:117-122. PMID:23324974

27. **Taylor BD**, Darville T, Ferrell R, Kammerer C, Ness RB, Haggerty CL. Toll-like receptor 1 and 4 gene variants are associated with *Chlamydia trachomatis* among women with pelvic inflammatory disease. *The Journal of Infectious Diseases* 2012, 205:603-609. PMID:22238472
28. Haggerty CL and **Taylor BD**. *Mycoplasma genitalium*: An emerging cause of pelvic inflammatory disease. *Infectious Diseases in Obstetrics and Gynecology* 2011:959816. PMID: 22235165
29. **Taylor BD**, Darville T, Bavoil PM, Ness RB, Haggerty CL. The role of *Chlamydia trachomatis* polymorphic membrane proteins in inflammation and sequelae among women with pelvic inflammatory disease. *Infectious Diseases in Obstetrics and Gynecology* 2011;2011:989762. PMID:22028586
30. **Taylor BD**, Ness RB, Darville T, Haggerty CL. Microbial correlates of delayed care for pelvic inflammatory disease. *Sexually Transmitted Diseases* 2011;38:434-438. PMID:21124257
31. **Taylor BD**, Haggerty CL. Management of *Chlamydia trachomatis* genital tract infection: Screening and treatment challenges. *Infection and Drug Resistance* 2011;4:19-29. PMID:21694906
32. Haggerty CL, Gottlieb SL, **Taylor BD**, Low N, Xu F, Ness RB. Risk of sequelae following chlamydial infection in women. *The Journal of Infectious Diseases* 2010;201:134-55. PMID:20470050

#### Other Published Documents

1. **Taylor B** and Holzman C. Comment on: "Intake of probiotic food and risk of preeclampsia in primiparous women." *American Journal of Epidemiology* 2012;175:476-7
2. **Editorial Consultant** on the PIER Pelvic Inflammatory Disease Module (2013). *PIER (Physicians' Information and Education Resource) is a Web-based decision-support tool designed for rapid point-of-care delivery of up-to-date, evidence-based guidance for clinicians.*  
<http://pier.acponline.org/physicians/diseases/d652/d652.html>

#### Presented/Submitted Abstracts

\* Student Author

1. \*Hill AV, De Genna NM, Perez-Patron MP, Gilreath TD, Tekwe C, **Taylor BD**. Identifying syndemics for sexually transmitted infections among young adults in the United States: A latent class analysis. **Oral Presentation** at the 2018 CDC STD Prevention Conference
2. **Taylor BD**, Baker E, Burnum-Johnson K, Stratton KG, Gritsenko MA, Zheng X, Kyle JE, Bloodsworth K, Weitz K, Brewer HM. Proteomic and lipidomic signatures in gestational diabetes mellitus and preeclampsia. **Presented** to the 2018 Society for Pediatric & Perinatal Epidemiologic Research Meeting
3. **Taylor BD**, Zheng X, O'Connell CM, Wiesenfeld HC, Hillier SL, Darville T. *Mycoplasma genitalium*, endometritis and incident infection in high risk women. **Presented** at the Society for Epidemiologic Research Meeting, Seattle, WA 2017
4. **Taylor BD**, Haggerty CL, Ness RB, Hougaard DM, Skogstrand K, Roberts JM, Olsen J. Fetal sex differences in soluble fms-like tyrosine kinase 1 (sFLT) among preeclamptic women. **Presented** at Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA 2017
5. **Taylor BD**, Menon R, Abiodun-Ojo O, Xu X. The role of danger associated molecular patterns and pentraxin-3 in preeclampsia and gestational diabetes mellitus. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA 2017

6. \*Nickodem C, Criscitiello M, Bazer F, Abiodun-Ojo A, **Taylor BD**. Evaluation of expression of interferon epsilon across pregnancy in healthy and Herpes Simplex Virus II infected women. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA 2017
7. \*Hill AV, Tekwe C, Perez-Patron M, **Taylor BD**. *Chlamydia trachomatis* and preterm birth subtypes. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA 2017
8. \*Zhang X, **Taylor BD**, Xu X. Serum Folate Level and Urinary Arsenic Methylation Profiles. **Submitted to** The American Public Health Association Annual Meeting, Atlanta GA, 2017
9. Ayad MT, Tivedi J, Urrabaz-Garza R, Kechichian T, Saade G, **Taylor BD**, Menon R. Distinct effects of Simvastatin, Rosuvastatin and Progesterone on p38MAPK mediated senescence and sterile inflammation in human fetal membranes. **Presented** to the 2017 Society for Reproductive Investigation.
10. **Taylor BD**, Bass D, Ness RB, Klebanoff MA, Olsen J, Skogstrand K, Hougaard DM, Roberts JM, Haggerty CL. Differences in systemic maternal immune biomarkers by fetal sex. **Presented** to the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Miami, FL 2016
11. Haidong K, **Taylor BD**, Johnson N, Xu X. Ozone and Hypertensive Disorders of Pregnancy in Florida: Examining the Susceptible Exposure Windows. **Presented** to the 2016 Epidemiology Congress of The Americas, Miami, FL
12. **Taylor BD**, Zheng X, Darville T, Abiodun-Ojo O, Konganti K, Ness RB, Haggerty CL. Whole-exome sequencing to identify novel genes associated with infertility following chlamydial pelvic inflammatory disease. **Oral presentation** to the 2016 Epidemiology Congress of The Americas, Miami, FL
13. Sheller S, Saade G, **Taylor BD**, Richardson L, Mesiano S, Taylor RN, Menon R. Oxidative Stress-Induced Amnion Cell-Derived Exosomes Produce Inflammatory Changes in Myometrial Cells: Fetal-Maternal Signaling in Human Parturition. **Presented** to the 2016 Science in the Service of Women's Health annual meeting
14. Perez-Patron MP, **Taylor BD**, De Genna NM. Depression and STI Comorbidity among Men and Women of Reproductive Age. **Presented** to the 2015 annual meeting of the Southern Demographic Association. San Antonio, TX, October 2015
15. \*Abiodun-Ojo OA, **Taylor BD**, Villagrana-Zesati R, López-Hurtado M, de Haro-Cruz M, Guerra-Infante FM. The frequency of *Mycoplasma genitalium* in a population of Mexican women. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Denver CO, June 2015
16. **Taylor BD**, De Genna NM, Patron MP, Zhang P. The development of substance use and health disparities in herpes simplex virus type 2 (HSV-2). **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Denver CO, June 2015
17. **Taylor BD**, Totten PA, Astete SG, Ferris MJ, Norori J, Ferrell RE, Ness RB, Martin DH, Haggerty CL. Genetic variation in Toll-like receptor 6 is associated with *Leptotrichia amnionii* infection in women with pelvic inflammatory disease. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Denver CO, June 2015
18. Behnia F, **Taylor BD**, Polentini J, Kacerovsky M, Saade G, Taylor RN, Menon R. Amniotic Fluid Telomere fragments: Fetal Signals of Parturition? **Presented** Society for Reproductive Investigation, March 2015
19. Dutta E, **Taylor BD**, Kacerovsky M, Behnia F, Poletini J, Kechichian T, Saade G, Bodogh I, Menon R. Ras-GTPase and p38 MAPK activation delineate the pathways of spontaneous preterm birth and preterm premature rupture of the membranes. **Presented** to Society for Maternal-Fetal Medicine, February 2015

20. Behnia F, **Taylor BD**, Dutta E, Saade G, Menon R. Senescence associated secretory phenotype: A signal for parturition? **Presented** to Society for Maternal-Fetal Medicine, February 2015
21. **Taylor BD**, Ness RB, Olsen J, Hougaard DM, Skogstrand K, Roberts JM, Haggerty CL. Elevated serum inflammatory markers and preeclampsia: results from a large national cohort study. **Presented** to International Society for the Study of Hypertension in Pregnancy, New Orleans, October 2014.
22. **Taylor BD**, Darville T, Ferrell RE, Ness RB, Haggerty CL. Variants in the interferon-epsilon gene and sexually transmitted infections among African American women with pelvic inflammatory disease. **Presented** to the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA, 2014
23. **Taylor BD**, Ness RB, Olsen J, Hougaard DM, Skogstrand K, Roberts JM, Haggerty CL. Serum leptin measured in early pregnancy is higher in women with preeclampsia compared to normotensive pregnant controls. **Oral presentation** to the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA, June 2014
24. **Taylor BD**, Ness RB, Olsen J, Hougaard DM, Skogstrand K, Roberts JM, Haggerty CL. Elevated maternal mid-trimester serum inflammatory cytokines among women with preeclampsia. **Oral presentation** 2013 Society for Pediatric & Perinatal Epidemiologic Research Meeting, Boston, MA
25. **Taylor BD**, Ness RB, Olsen J, Hougaard DM, Skogstrand K, Roberts JM, Haggerty CL. The distribution of first and second trimester serum inflammatory markers in normotensive and preeclamptic pregnancies. **Presented** to the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Boston, MA, June 2013 \**This poster was featured during the Society's Poster Tour*
26. **Taylor BD**, Ness RB, Klebanoff MA, Olsen J, Skogstrand K, Hougaard DM, Roberts JM, Haggerty CL. Elevated first trimester maternal serum inflammatory markers predict preeclampsia. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Boston, MA, June 2013
27. Wiringa AE, Brooks MM, Ness RB, **Taylor BD**, Haggerty CL. Endometrial neutrophil and plasma cell counts among women with clinically suspected pelvic inflammatory disease. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Boston, MA, June 2013
28. **Taylor BD**, Holzman C, Fichorova R, Tian Y, Jones N, Fu W. Cytokine biomarkers for the classification of preterm delivery subtypes. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Minneapolis, MN, June 2012
29. **Taylor BD**, Darville T, Ferrell R, Kammerer C, Ness RB, Haggerty CL. Toll-like receptor variants and colonization of bacterial vaginosis-associated microbes. **Presented** at the Society for Pediatric & Perinatal Epidemiologic Research Meeting, Minneapolis, MN, June 2012
30. **Taylor BD**, Darville T, Ferrell R, Kammerer C, Ness RB, Haggerty CL. Racial differences in the allelic distribution of toll-like receptor variants among women with pelvic inflammatory disease. **Presented** to the 2011 Society for Pediatric & Perinatal Epidemiologic Research Meeting, Montreal, Ca., June 2011
31. **Taylor BD**, Darville T, Ferrell R, Kammerer C, Zmuda J, Ness RB, Haggerty CL. Toll-like receptor gene variants are associated with *Chlamydia trachomatis* among women with pelvic inflammatory disease. **Presented** at the 2011 University of Pittsburgh, Graduate School of Public Health, Dean's Day Student Research Competition, Pittsburgh, PA, April 2011
32. **Taylor BD**, Darville T, Ferrell R, Kammerer K, Haggerty C. The role of toll-like receptors in infertility following chlamydial pelvic inflammatory disease. **Presented** at the NIH National Graduate Student Research Festival, Bethesda, MD, October 2010

33. **Taylor BD**, Darville T, Tan C, Bavoil P, Ness B, Haggerty C. Polymorphic membrane proteins and pelvic inflammatory disease. **Presented** for the 2010 Society for Pediatric & Perinatal Epidemiologic Research Meeting, Seattle, WA, June 2010
34. **Taylor BD**, Ness RB, Haggerty CL. Microbial correlates of delayed care for pelvic inflammatory disease. **Presented** at the 2009 Society for Pediatric & Perinatal Epidemiologic Research Meeting, Anaheim, CA, June 2009
35. **Taylor BD** and Haggerty CL. The association between Cesarean section and secondary infertility. **Presented** at the 2007 EPI in Action! Internship Presentation, University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA, September 2007

### Current Grants

- 09/18-09/20      1R21AI140178-01 NIH/NIAID  
 "Evaluation of Novel Interferon Epsilon across Human Pregnancy"  
**Award Pending:** \$401,478; **PI:** Taylor (20% effort)
- 08/16-07/21      1R01HD08453201A1 NIH/NICHD  
 "Profiling placental & placental membrane physiologic signature during pregnancy in maternal liquid biopsies"  
**Subcontract:** \$43,367, **PI:** Menon; **Co-I:** Taylor (5% effort)

### Completed Grants

- 04/18-09/18      Knapp Community Care Foundation  
 "The role of Maternal Diabetes & Obesity in Reproductive Health Outcomes"  
**Award:** \$349,640; **PIs:** Perez-Patron, Taylor, Carrillo
- 04/17-09/18      1 R40MC307600100 HRSA  
 "Pathways from Early Substance Use to Health Disparities in STIs: A Multilevel Approach" **Award:** \$100,000; **PI:** Taylor
- 09/15-09/18      Discovery Foundation  
 "The role of early pregnancy serum markers of cellular damage, innate immune signaling and angiogenesis in preeclampsia"  
**Award:** \$167,005.00, **PI** Taylor
- 06/15-09/18      T76MC28441 HRSA  
 "Maternal and Child Health Public Health Training Program"  
**Award:** \$350,000.00, **PI** Taylor
- 08/15-08/17      5R33A1098660-06 NIH/NIAID  
 "Identifying biomarkers and genetic risk factors predictive of reproductive sequelae"  
**Subaward:** \$37,782; **PI:** Darville; **Co-I:** Taylor
- 07/14-08/16      American Sexually Transmitted Disease Association  
 "Host genetic susceptibility to chlamydia-associated reproductive morbidity"  
**Award:** \$100,000; **PI:** Taylor
- 06/15-08/16      REDI Grant Texas A&M University SPH  
 "Early Pregnancy Serum Short-Chain Fatty Acids and Preeclampsia"  
**Award:** \$24,000; **PI:** Taylor,

09/14-08/15 Texas Census Research Data Center Small Grant  
 "Identification of population level variables associated with adverse reproductive and pregnancy outcomes". **Award:** \$4500; **PI:** Taylor

### Research Presentations

<b>Date</b>	<b>Presentation Title</b>	<b>Venue</b>
February 2018	Sexual dimorphism in preeclampsia, biological or bias?	Interdisciplinary Faculty in Reproductive Biology Seminar, Texas A&M
January 2018	Sexual dimorphism in preeclampsia, biological or bias?	University of Pittsburgh, Graduate School of Public Health
May 2016	Early pregnancy circulating cytokines in preeclamptic and normotensive pregnancies	National Institute of Environmental Health Sciences, Epidemiology Branch
March 2016	Host genetics and sexually transmitted infection related infertility	University of North Carolina, School of Medicine, Friday Infectious Disease Conference
November 2014	Mid-pregnancy maternal leptin in women with preeclampsia and normotensive pregnant women	Interdisciplinary Faculty in Reproductive Biology Seminar, Texas A&M
May 2014	Toll-like receptor variants and inflammation in reproductive and pregnancy complications	Texas A&M University Immunology Consortium Seminar
May 2014	Inflammatory markers for the prediction of preterm birth pathways	University of Texas Medical Branch
September 2013	First and mid-trimester inflammatory markers in the development of preeclampsia	Training Program in Reproductive, Perinatal & Pediatric Epidemiology Seminar, University of Pittsburgh Graduate School of Public Health
September 2012	Racial variation in the distribution of Toll-like receptor polymorphisms in women with pelvic inflammatory disease	Postdoc Lunch Live, University of Pittsburgh Postdoctoral Association
April 2012	Toll-like receptor 1 and 4 gene variants are associated with <i>Chlamydia trachomatis</i> among women with pelvic inflammatory disease	Epidemiology Seminar Series, University of Pittsburgh Graduate School of Public Health
April 2011	The role of delayed care seeking and Toll-like receptors in pelvic inflammatory disease and its sequelae	Training Program in Reproductive, Perinatal & Pediatric Epidemiology Seminar, University of Pittsburgh Graduate School of Public Health



October 2010	Delayed care seeking among women with pelvic inflammatory disease and the development of sequelae	Training Program in Reproductive, Perinatal & Pediatric Epidemiology Seminar, University of Pittsburgh Graduate School of Public Health
June 2010	Toll-like receptors and infertility among women with pelvic inflammatory disease	Michigan State University, Department of Epidemiology and Biostatistics
April 2010	Are Toll-like receptors associated with infertility following chlamydial pelvic inflammatory disease?	Emory University, Department of Epidemiology
March 2010	The role of <i>Chlamydia trachomatis</i> polymorphic membrane proteins in inflammation and sequelae among women with pelvic inflammatory disease	Training Program in Reproductive, Perinatal & Pediatric Epidemiology Seminar, University of Pittsburgh Graduate School of Public Health
October 2009	Toll-like receptors and polymorphic membrane proteins in the development of sequelae following chlamydial pelvic inflammatory disease	Training Program in Reproductive, Perinatal & Pediatric Epidemiology Seminar, University of Pittsburgh Graduate School of Public Health
February 2009	Microbial correlates of delayed care for pelvic inflammatory disease	Seminar in Epidemiologic & Public Health Presentation, Univ. of Pittsburgh

### **Awards and Honors**

2017	National Institutes of Health (NIH) Early Career Reviewer (ECR) Program
2015	Deans Faculty Best Paper Award. Texas A&M University School of Public Health. <i>Awarded for: Taylor BD, Ness RB, Olsen J, Hougaard DM, Skogstrand K, Roberts JM, Haggerty CL. Serum leptin measured in early pregnancy is higher in women who later develop preeclampsia compared to normotensive pregnant controls. Hypertension. 2015 Mar;65(3):594.</i>
2013-2018	National Institutes of Health (NIH) Contraception and Infertility Research Loan Repayment Program Recipient: Primary contract and three renewals
2011	National Research Service Award (NRSA) Institutional Postdoctoral Training Grant (T32), Michigan State University
2011	The Women's Health Scholar Award , University of Pittsburgh
2010	Selected participant of the Fifth Annual NIH National Graduate Student Research Festival, <i>National Institutes of Health, Bethesda MD</i>
2009	National Research Service Award (NRSA) Institutional Predoctoral Training Grant (T32), University of Pittsburgh

### Courses Taught

<b>Academic year</b>	<b>Role</b>	<b>Title/Description</b>	<b>Credits</b>
2017-2018 2016-2017 2015-2016	<i>Instructor</i>	PHEB 621: Foundations in Maternal and Child Health Texas A&M University	3
2017-2018 2016-2017 2015-2016 2014-2015	<i>Instructor</i>	PHEB 610: Epidemiologic Methods II Texas A&M University	3
2014-2015	<i>Instructor</i>	PHEB 622: Reproductive and Perinatal Epidemiology Texas A&M University	3

### Other Teaching Activities

<b>Academic year</b>	<b>Role</b>	<b>Title/Description</b>
2017-2018 2016-2017 2015-2016	<i>Instructor</i>	Maternal and Child Health Research Seminar Texas A&M University
2016-2017	<i>Lecturer</i>	PHLT 305: Epidemiology in Public Health "Reproductive Epidemiology" Texas A&M University
2015-2016	<i>Lecturer</i>	MFMU Fellows Seminar, University of Texas Medical Branch "Basics of analyzing epidemiologic data" Texas A&M University
2015-2016	<i>Lecturer</i>	PHLT 304: Biological Basis of Public Health "Reproductive Epidemiology" Texas A&M University
2014-2015	<i>Lecturer</i>	VIBS432: Public Health Practices "Introduction to Reproductive Epidemiology" Texas A&M University
2016-2017 2014-2015	<i>Lecturer</i>	Foundations of Clinical and Translational Research, Texas A&M Health Science Center "Introduction to Genetic Epidemiology" Texas A&M University
2012-2013	<i>Postdoctoral Teaching Assistant</i>	EPIDEM 2710: Epidemiology of Women's Health University of Pittsburgh
2012-2013	<i>Postdoctoral Teaching Assistant</i>	EPIDEM 2721: Research Seminar in Reproductive, Perinatal & Pediatric Epidemiology University of Pittsburgh
2010	<i>Teaching Assistant</i>	EPIDEM2720: Reproductive Epidemiology University of Pittsburgh

## Student Related Mentoring and Service

### Doctoral Students

<b>Year</b>	<b>Name of Student(s)</b>	<b>Position of student/description</b>
2016-present	Ashley Hill, MPH DrPH candidate in Epidemiology Texas A&M University	Chair of doctoral committee
2016-2018	Hala Nawaiseh PhD student in the Department of Nutrition and Food Science Texas A&M University	Dissertation committee member
2016-2018	Krystal Flores, MPH DrPH candidate in Health Promotion and Community Health Sciences Texas A&M University	Dissertation committee member
2016-2018	Alexjandro Daviano, MPH, DrPH DrPH in Epidemiology Texas A&M University	Dissertation committee member
2015-2018	Olufunto Olusanya, MPH. PhD candidate in Health and Kinesiology Texas A&M University	Dissertation committee member
2014-2017	Angel Glover, MS, PhD PhD in counseling psychology Texas A&M University	Dissertation committee member

### Master Students

<b>Year</b>	<b>Name of Student(s)</b>	<b>Position of student/description</b>
2017-2018	Patrice Carpenter MPH student in Health Policy Management Texas A&M University	MCH Program Faculty Advisor
2016-2018	Colette Nickodem MPH student in Epidemiology Texas A&M University	MCH Program Faculty Advisor Current: Zika Pregnancy Registry Epidemiologist Coordinator, Texas Department of State Health Services
2014-2018	MPH student advisor Texas A&M University	Advise approximately 8-10 MPH students per year
2015-2016	Bhagath Chirra MPH (2016) Texas A&M University	Graduate Student Research Advisor Current: Doctoral program in Microbiology at TAMU
2015-2016	Semiu Gbadamosi MPH (2016) Texas A&M University	Graduate Student Research Advisor Current: Research Coordinator University of Nevada, Las Vegas

2015-2016	Olayinka Abidodun-Ojo, MPH (2016) Texas A&M University	MCH Program Faculty Advisor Graduate Student Research Advisor Current: Research Coordinator Emory University
2015-2016	Anuoluwapo Adelodun MPH (2016) Texas A&M University	Graduate Student Research Advisor Current: Research Study Coordinator with UT Southwestern

### Undergraduate Students

<b>Year</b>	<b>Name of Student(s)</b>	<b>Position of student/description</b>
2017-2018	Deanna Hairrell Undergraduate, Biomedical Sciences Texas A&M University	Faculty research advisor
2017-2018	Lauren Sanders Undergraduate, Nursing Texas A&M University	Faculty Research Advisor, Collaborative Initiatives in Maternal, Perinatal and Infant Research
2017-2018	Gabriella Rodriguez Undergraduate, Public Health Texas A&M University	Faculty Research Advisor, Collaborative Initiatives in Maternal, Perinatal and Infant Research
2016-2017	Amber Carter Undergraduate, Allied Health Texas A&M University	Faculty Research Advisor, Collaborative Initiatives in Maternal, Perinatal and Infant Research
2013-2014	Daniel Nath, BS, MPH candidate Texas A&M University	Mentored undergraduate student Daniel Nath on a career as a public health professional

### Academic Related Service

<b>Year(s)</b>	<b>Committee/Organization</b>	<b>Position</b>
2018	Texas A&M University Epidem/Biostat Department Head Search Committee	Member
2018	Texas A&M University Certificate in Maternal and Child Health	Director
2017-2018	Texas A&M University Maternal and Child Health Student Organization	Faculty Advisor
2017-2018	Texas A&M University Department of Epidemiology and Biostatistics Epidemiology Faculty Search Committee	Chair

2016-2018	CIMPIR Tier One Program in Maternal, Infant, and Perinatal Health undergraduate research Texas A&M University	Faculty Research Supervisor
2014-2018	Texas A&M University Program on Reproductive and Child Health	Director
2014-2018	Texas A&M University Interdisciplinary Faculty in Reproductive Biology	Member
2016-2017	School of Public Health BSPH merger committee Texas A&M University	Member
2014-2016	School of Public Health Student Affairs Committee Texas A&M University	Member
2014-2016	Texas A&M Health Science Center Department of Epidemiology and Biostatistics Epidemiology Faculty Search Committee	Member
2014-2016	Texas A&M Health Science Center Department of Epidemiology and Biostatistics Biostatistics Faculty Search Committee	Member

**Other Service (Professionally Related)**

<b>Years</b>	<b>Position</b>	<b>Organization</b>
2018	SPER Student Prize Paper Award Reviewer	Society for Pediatric and Perinatal Epidemiologic Research
2013-2018	Annual Meeting Abstract Reviewer	Society for Epidemiologic Research
2013-2018	Annual Meeting Abstract Reviewer	Society for Pediatric and Perinatal Epidemiologic Research
2017	Panel Moderator	Women, Peace, and Security Conference, The Bush School
2017	SPER Annual Meeting Poster Judge	Society for Pediatric and Perinatal Epidemiologic Research
2017	Invited Participant	PRIBEC Multinational collaborative of clinicians and research scientists to improve pregnancy and birth outcomes
2017	Grant Reviewer	Ireland, The Health Research Board
2013	Annual Meeting Abstract Reviewer	American College of Epidemiology
2013	Panelist	University of Pittsburgh Alumni Panel, New Student Orientation

### Continuing Education

- 2015 Texas A&M University 2015 Bioinformatics/Biostatistics Workshop, College Station, Texas  
Modules: "Efficient NGS tools for sequence assembly and analysis"  
"Genetic and Genomic Analysis of Complex Traits"
- 2015 University of Washington Summer Institute in Statistical Genetics, Seattle, WA  
Module: "Molecular Genetics and Genomics"
- 2010 Department of Human Genetics, University of Pittsburgh, Pittsburgh, PA  
• Single nucleotide polymorphism genotyping by fluorescence polarization.
- 2009 *Research Analyst Intern*: The Maternal and Child Health Bureau, U.S. Department of Health and Human Services, Graduate Student Internship Program, The Center for Health Statistics, Arkansas Department of Health, Little Rock, AR  
**Project**: CDC's Pregnancy Risk Assessment Monitoring System (PRAMS): Arkansas PRAMS Report; Maternal and Child Health Indicators, by Race/Ethnicity, 2005-2007
- 2007 *Epidemiology Intern*: Department of Epidemiology, University of Pittsburgh, Pittsburgh, PA  
**Project**: Cesarean section and the association with secondary infertility, mediated by post-partum endometritis.

### Journal Reviewer

- 2017 *Hypertension in Pregnancy, Journal Women's Health, Infection and Drug Resistance, Nature Scientific Reports, PLoSOne; Annals of Medicine, BMC Infectious Diseases*
- 2016 *Fertility and Sterility, Genes, Current Drug Metabolism, BMC Pregnancy and Childbirth, Clinica Chimica Acta, BMC Infectious Diseases, BMC Immunology,*
- 2015 *Nature Scientific Reports, PLOS One, Sexually Transmitted Infections, BMC Public Health, BMC Research Notes,*
- 2014 *BJOG: An International Journal of Obstetrics and Gynaecology, Sexually Transmitted Infections, Journal of AIDS and HIV Research, Nicotine & Tobacco Research, Clinical Medicine Insights, International Journal of Women's Health*
- 2013 *Journal of Leukocyte Biology, European Journal of Clinical Microbiology & Infectious Diseases, International Journal of Fertility and Sterility, International Journal of Women's Health, Reproductive Sciences, Genes and Immunity*

### Professional Affiliations

- 2010-2017 Member, American College of Epidemiology (ACE)
- 2009-2018 Associate Member, American Sexually Transmitted Diseases Association (ASTDA)
- 2009-2018 Member, The Society for Epidemiologic Research (SER)
- 2009-2018 Member, Society for Pediatric and Perinatal Epidemiologic Research (SPER)
- 2009-2016 Associate Member, International Union against Sexually Transmitted Infections (IUSTI)