

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

for
Permanent Record
and the
Appointments and Promotions Committee

Date Prepared: Oct 2023

Liping Feng, M.D., M. S.

Primary academic appointment: Department of Obstetrics and Gynecology

Secondary appointment: Duke Global Health Institute (DGHI) and Department of Pathology

Present academic rank: Associate Professor

Education

High School: Jiansanjiang No.1 High School 1992 with Honors

College and Medical School: Harbin Medical University 1997 M.D. with Honors

Graduate School: Center of Disease Control and Prevention of China 2000 M. S.
Pathogen Molecular Biology

Scholarly societies

Member, Society for Reproductive Investigation (SRI)

Secretary General, Fetal Membrane Society (FMS)

Member, Triangle Consortium for Reproductive Biology (TCRB)

Member and Workgroup Lead, Preterm Birth International Collaborative (PREBIC), USA

Member, International Development Origins of Health and Disease (DOHaD)

Professional Training and academic career

Duke University Medical Center Research Technician II 2001-2004

Duke University Medical Center Research Analyst 2004-2007

Duke University Medical Center Senior Research Associate/
Laboratory Supervisor 2008-2011

Duke University Medical Center Assistant Professor 2012-2018

Duke University Medical Center Associate Professor 2019-present

Publications

Refereed journals

* Indicates corresponding author. IF is impact factor

1. Xu J, Cheng B, **Feng L**, Jing H, Yang J, Zhao G, Wang H, Li H. (2002). Serological investigations on patients with hemolytic uremic syndromes due to enterohemorrhagic *Escherichia coli* O157:H7 infection. **Zhonghua Liu Xing Bing Xue Za Zhi**. 2002 Apr;23(2):114-8. PMID: 12015093. (IF=4.05)
2. Yan H, Labean TH, **Feng L**, *Reif JH. (2003). Directed nucleation assembly of DNA tile complexes for barcode-patterned lattices. **Proc Natl Acad Sci U S A**. 2003 Jul 8;100(14):8103-8. Doi: 10.1073/pnas.1032954100. PMID: 12821776. (IF=12.78)
3. Yan H, **Feng L**, Labean TH, *Reif JH. (2003). Parallel molecular computations of pairwise exclusive-or (XOR) using DNA "string tile" self-assembly. **J Am Chem Soc**. 2003 Nov 26;125(47):14246-7. Doi: 10.1021/ja036676m. PMID: 14624551. (IF=16.38)
4. **Feng L**, Park SH, Reif JH, *Yan H. (2003). A two-state DNA lattice switched by DNA nanoactuator. **Angew Chem Int Ed Engl**. 2003 Sep 22;42(36): 4342-6. Doi: 10.1002/anie.200351818. PMID:14502706. (IF=16.82)
5. Mills AA, Yonish B, **Feng L**, Schomberg DW, Heine RP, *Murtha AP. (2006). Characterization of progesterone receptor isoform expression in fetal membranes. **Am J Obstet Gynecol**. 2006 Oct;195(4):998-1003. Doi: 10.1016/j.ajog.2006.06.040. PMID: 16893510. (IF=10.70)
6. *Murtha AP, **Feng L**, Yonish AB, Leppert PC, Schomberg DW. (2007). Progesterone protects fetal chorion and maternal deciduas cells from calcium-induced death. **Am J Obstet Gynecol**. 2007 Mar;196(3): 257.e1-5. Doi: 10.1016/j.ajog.2007.01.007. PMID: 17346545. (IF=10.70)
7. Behera MA, **Feng L**, Yonish B, Catherino W, Jung SH, *Leppert PC. (2007). Thrombospondin-1 and Thrombospondin-2 mRNA and TSP-1 and TSP-2 protein expression in uterine fibroid and correlation to the genes COL1A1 and COL3A1 and to the Collagen cross-link hydroxyproline. **Reprod Sci**. 2007 Dec;14(8 Suppl):63-76. Doi: 10.1177/1933719107309591. PMID: 18089612. (IF=2.92)
8. Wu J, Marean-Reardon C, Christopher C, **Feng L**, and *Hsieh TS. (2008). Drosophila homologue of Rothmund-Thomson syndrome gene: essential function in DNA replication during development. **Dev Biol**. 2008 Nov 1;323(1):130-42. Doi: 10.1016/j.ydbio.2008.08.006. PMID: 18755177. (IF=3.15)
9. Jung SH, Sohn I, George SL, **Feng L**, *Leppert PC. (2009). Sample size calculation for microarray experiments with blocked one-way design. **BMC Bioinformatics**. 2009 May 28;10:164. Doi: 10.1186/1471-2105-10-164. PMID: 19476634. (IF=3.31)
10. Wu J, **Feng L**, *Hsieh TS. (2010). Topoisomerase III α is required for the maintenance of mitochondrial genome and male germline stem cell. **Proc Natl Acad Sci U S A**. 2010 Apr 6;107(14): 6228-33. Doi: 10.1073/pnas.1001855107. PMID: 20308575. (IF=12.78)
11. *Grotegut CA, **Feng L**, Mao L, Heine RP, Murtha AP, Rockman HA. (2010). Beta-arrestin mediates oxytocin receptor signaling which regulates uterine contraction and cellular migration. **Am J Physiol Endocrinol Metab**. 2011 Mar;300(3):E468-77. Doi: 10.1152/ajpendo.00390.2010. PMID: 21139074. (IF=5.9)
12. Roeder H, Jayes F, **Feng L**, *Leppert PC. (2011). CDB-4124 does not cause apoptosis in cultured fibroid cells. **Reprod Sci**. 2011 Sep;18(9):850-7. Doi: 10/1177/1933719111399929. PMID: 21422050. (IF=2.92)
13. Beiswenger TR, **Feng L**, Brown HL, Heine PR, Murtha AP, *Grotegut CA. (2012). The effect of cigarette smoke extract on trophoblast cell viability and migration: the role of adrenomedullin. **Reprod Sci**. 2012 May;19(5):526-33. Doi: 10/1177/19337191113483009. PMID: 22267538. (IF=2.92)

14. Canzoneri BJ, **Feng L**, Grotegut CA, Bentley RC, Heine RP, Murtha AP. (2013). The chorion layer of fetal membranes is prematurely destroyed in women with preterm premature rupture of the membranes. **Reprod Sci**. 2013 Oct;20(10):1246-54. Doi: 10.1177/1933719111426600. PMID: 23536574. (IF=2.92)
15. *Grotegut CA, Gunatilake RP, **Feng L**, Heine RP, Murtha AP. (2013). The influence of maternal body mass index on myometrial oxytocin receptor expression in pregnancy. **Reprod Sci**. 2013 Dec;20(12):1471-7. Doi: 10.1177/1933719113488446. PMID: 23653389. (IF=2.92)
16. Kraus DM, **Feng L**, Heine RP, Brown HL, Caron KM, Murtha AP, and *Grotegut CA. (2014). Cigarette Smoke-Induced Placental Adrenomedullin Expression and Trophoblast Cell Invasion. **Reprod Sci**. 2014 Jan;21(1):63-71. Doi: 10.1177/1933719113488456. PMID: 23653390 (IF=2.92)
17. *Allen TK, **Feng L**, Grotegut CA, Murtha AP. (2014). Progesterone Receptor Membrane Component 1 As the mediator of the Inhibitory Effect of Progestins on Cytokine-Induced Matrix Metalloproteinase 9 Activity In Vitro. **Reprod Sci**. 2014 Feb;21(2):260-8. Doi: 10.1177/1933719113493514. PMID: 23813454. (IF=2.92)
18. Fortner KB, Grotegut CA, Ransom CE, Bentley RC, **Feng L**, Lan L, Heine RP, Seed PC, *Murtha AP. (2014). Bacteria localization and chorion thinning among preterm premature rupture of membranes. **PLoS One**. 2014 Jan 8;9(1):e83338. Doi: 10.1371/journal.pone.0083338. PMID: 24421883. (IF=3.75)
19. ***Feng L**, Antczak BC, Lan L, Grotegut CA, Thompson JL, Allen TK, Murtha AP. (2014). Progesterone receptor membrane component 1 (PGRMC1) expression in fetal membranes among women with preterm premature rupture of the membranes (PPROM). **Placenta**. 2014 May;35(5):331-3. Doi: 10.1016/j.placenta.2014.03.008. PMID: 24680695. (IF=3.29)
20. Huang L, Liu J, **Feng L**, Chen Y, Zhang J, *Wang W. (2014). Maternal pre-pregnancy obesity is associated with higher risk of placental pathological lesions. **Placenta**. 2014 Aug;35(8):563-9. Doi: 10.1016/j.placenta.2014.05.006. PMID: 24930988. (IF=3.29)
21. Allen TK, **Feng L**, Nazzal M, Grotegut CA, Buhimschi IA, *Murtha AP. (2015). The Effect of Progestins on Tumor Necrosis Factor α -Induced Matrix Metalloproteinase-9 Activity and Gene Expression in Human Primary Amnion and Chorion Cells In Vitro. **Anesth Analg**. 2015 May;120(5):1085-1094. Doi: 10.1213/ANE.0000000000000708. PMID: 25806402. (IF=6.63)
22. Meng Y, Murtha AP, ***Feng L**. (2016). Progesterone, inflammatory cytokine (TNF- α) and oxidative stress (H₂O₂) regulate progesterone receptor membrane component 1 (PGRMC1) expression in fetal membrane cells. **Reprod Sci**. 2016 Sep;23(9):1168-1178 Doi: 10.1177/1933719116630412. PMID: 26919974. (IF=2.92)
23. ***Feng L**, Jayes FL, Johnson LNC, Schomberg DW, Leppert PC. (2016). Biochemical Pathways and Myometrial Cell Differentiation Leading to Nodule Formation Containing Collagen and Fibronectin. **Curr Protein Pept Sci**. 2017;18(2):155-166. Doi: 10.2174/1389203717666160322145731. PMID: 27001065. (IF=3.12)
24. Potts LC, **Feng L**, Seed PC, Jayes FL, Kuchibhatla M, Antczak B, Nazzal MK, *Murtha AP. (2016) Inflammatory Response of Human Gestational Membranes to Ureaplasma parvum Using a Novel Dual-Chamber Tissue Explant System. **Biol Reprod**. 2016 may;94(5):119. Doi: 10.1095/biolreprod.115.137596. PMID: 27009041. (IF=4.16)
25. ***Feng L**, Ouyang F, Liu L, Wang X, Wang X, Li Y, Murtha AP, Shen H, Zhang J and Zhang J (2016). Levels of urinary metabolites of organophosphate flame retardants in pregnant women in Shanghai. **J Environ Public Health**, 2016;2016:9416054. Doi:10.1155/2016/9416054. PMID: 28115951. (IF=2.79)

26. *Feng L, Ransom CE, Nazzal MK, Allen TK, Kuchibhatla M, Potts LC, Seed PC, Murtha AP. (2016). The role of progesterone and a novel progesterone receptor, progesterone receptor membrane component 1 (PGRMC1), in the inflammatory response of fetal membranes to *Ureaplasma parvum* infection. **PloS One**. 2016 Dec 15;11(12):e0168102. Doi: 10.1371/journal.pone.0168102. PMID: 27977732. (IF=3.75)
27. *Feng L, Desravines N, Nazzal MK, Pryor KP, Soderblom EJ, et al. (2016) Characterization of Progesterone Receptor Membrane Component 1 in Peripheral Blood Mononuclear Cells and Plasma during Pregnancy. **Adv Mol Diag** 1:109. DOI: 10.4172/2572-5645.1000109.
28. Smrtka MP, Feng L, Murtha AP, *Grotegut CA. (2017). Thrombin-Induced Inflammation in Human Decidual Cells Is Not Affected By Heparin. **Reprod Sci**. 2017 Aug;24(8):1154-1163. Doi: 10.1177/1933719116678685. PMID: 27852920. (IF=2.92)
29. Ju R, Siddiqui N, Garrett J, Feng L, Heit M. (2017). A Validated Translation of a Survey for Measuring Incontinence Knowledge in Chinese-speaking American Immigrants. **Int Urogynecol J**. 2017 Jun; 28(6):851-856. Doi: 10.1007/s00192-016-3215-1. PMID: 27924375. (IF=1.93)
30. Ye Y, Zhou Q, Feng L, Wu J, Xiong Y, *Li X. (2017) Maternal serum bisphenol A levels and risk of pre-eclampsia: a nested-control study. **Eur J Public Health**. 2017 Dec 1;27(6):1102-1107. Doi:10.1093/eurpub/ckx148. 8. PMID: 29186464. (IF=4.42)
31. Wang X, *Ouyang F, Feng L, Wang X, Liu Z, Zhang J (2017). Maternal urinary triclosan concentration in relation to maternal and neonatal thyroid hormone levels: a prospective study. **Environ Health Perspect**. 2017 Jun;125(6):067017. Doi: 10.1289/EHP500. PMID: 28669941. (IF=11.04)
32. *Feng L, Allen TK, Nazzal M, Murtha AP. (2018). Roles of Progesterone Receptor Membrane Component 1 in Oxidative Stress-Induced Aging in Chorion Cells. **Reprod Sci**, 2019 May;26(3):394-403. Doi: 10.1177/1933719118776790. PMID: 29783884. (IF=2.92)
33. *Feng L, Allen TK, Marinello WP, Murtha AP. (2018) PPRM: Infection-Induced Thrombin Production: A Novel Mechanism for Preterm Premature Rupture of Membranes. **Am J Obstet Gynecol**. 2018 Jul;219(1):101.e1-101.e12. Doi: 10.1016/j.ajog.2018.04.014. PMID: 29660299. [Featured on Cover]. (IF=10.70)
34. Ye, J, Chen Y, Zhu J, Chen CH, Zhu XY, Feng L, *Ye WP, *Zhang J. (2018). Aspirin use during pregnancy and hypoxia-related placental pathology. **Pregnancy Hypertens**. 2018 Oct;14:177-188. Doi: 10.1016/j.preghy.2018.07.009. PMID: 30527109. (IF=2.50)
35. Ellen TK, Nazzal MN, Feng L, Buhimschi IA, Murtha AP. (2018). Progestins inhibit TNF α induced Matrix Metalloproteinase 9 activity via the Glucocorticoid Receptor in Primary Amnion Epithelial Cells. **Reprod Sci**: 2019 Sep;26(9):1193-1202. Doi: 10.1177/1933719118811646. PMID: 30453830. (IF=2.92)
36. Ye Y, Tang Y, Xiong Y, *Feng L, *Li X. (2018). Bisphenol A exposure alters placentation and causes preeclampsia-like features in pregnant mice involved in reprogramming of DNA methylation of *WNT-2*. **FASEB J**. 2019 Feb;33(2):2732-2742. Doi: 10.1096/fj.201800934RRR. PMID: 30303745. (IF=5.834)
37. Huang R, Chen Q, Zhang L, Chen L, Feng L, *Zhang J. (2019). Prenatal exposure to perfluoroalkyl and polyfluoroalkyl substances and the risk of hypertensive disorders of pregnancy. **Environ Health**: 2019 Jan 9;18(1):5. Doi: 10.1186/s12940-018-0445-3. PMID: 30626391. (IF=7.12)
38. *Feng L. 2019. Reply. **Am J Obstet Gynecol** 220:126. 2019 Jan;220(1):126. Doi: 10.1016/j.ajog.2018.09.031. PMID: 30278175. (IF=10.70)

39. Jayes FL, Liu B, **Feng L**, Aviles-Espinoza N, Leikin S, Leppert PC. (2019). Evidence of biomechanical and biochemical heterogeneity in uterine fibroids. **PloS One**. 2019 Apr 29;14(4):e0215646. doi: 10.1371/journal.pone.0215646. PMID: 31034494. (IF=3.75)
40. Aimuzi R, Lou K, Chen Q, Wang H, **Feng L**, Ouyang F*, Zhang J*. (2019). Perfluoroalkyl and polyfluoroalkyl substances in umbilical cord blood and fetal thyroid function in cesarean deliveries. **Environ Int**. 2019 Sep;130:104929. Doi: 10.1016/j.envint.2019.104929. PMID: 31228788. (IF=13.34)
41. Huang R, Jing Z, Zhang L, Hua X, Ye W, Chen C, Sun K, Wang W, ***Feng L**, *Zhang J. (2019). Is ELABELA a reliable biomarker for hypertensive disorders of pregnancy? **Pregnancy Hypertens**. 2019 Jul;17:226-232. Doi: 10.1016/j.preghy.2019.06.007. PMID: 31487645. (IF=2.5)
42. Chen C, Zhang J, Xia H, Zhang H, Betran AP, Zhang L, Hua X, **Feng L**, Chen D, Sun K, Guo C, Qi H, *Duan T, *Zhang J. (2018). Epidemiology of preterm birth in China in 2015-2016: a nationwide survey. **THE LANCET**, 392, Sup 1, S73. October 01, 2018. (IF=202.73)
43. Xie X, Lu C, Wu M, Liang J, Ying Y, Liu K, Huang X, Zheng S, Du X, Liu D, Wen Z, Hao G, Yang G, ***Feng L**, *Jing C. (2020). Association between triclocarban and triclosan exposures and the risks of type 2 diabetes mellitus and impaired glucose tolerance in the National Health and Nutrition Examination Survey (NHANES 2013-2014). **Environ Int**. 2020 Mar;136:105445. Doi: 10.1016/j.envint.2019.105445. PMID: 31918332. (IF=13.34)
44. Zheng S, Li R, Liang J, Wen Z, Huang X, Du X, Dong S, Zhu K, Chen X, Liu D, Wu J, Liu Y, Zou X, Wang Y, Li J, Zeng F, **Feng L**, Yang G, *Jing C. (2020). Serum miR-638 combined with squamous cell carcinoma-related antigen as potential screening biomarkers for cervical squamous cell carcinoma. **Genet Test Mol Biomarkers**. 2020 Apr;24(4):188-194. Doi: 10.1089/gtmb.2019.0147. PMID: 32216635. (IF=1.74)
45. Huo X, Huang R, Gan Y, Luo K, Aimuzi R, Nian M, Ao J, **Feng L**, Tian Y, Wang W, Ye W, *Zhang J. (2020). Perfluoroalkyl substances in early pregnancy and risk of hypertensive disorders of pregnancy: A prospective cohort study. **Environ Int**. 2020 May;138:105656. Doi: 10.1016/j.envint.2020.105656. PMID: 32222612. (IF=13.34)
46. Huo X, Zhang L, Huang R, **Feng L**, Wang W, *Zhang J. (2020). Perfluoroalkyl substances exposure in early pregnancy and preterm birth in singleton pregnancies: a prospective cohort study. **Environ Health**. 2020 Jun 3;19(1):60. Doi: 10.1186/s12940-020-00616-8. PMID: 32493312. (IF=7.12)
47. Zhang Y, Le R, Grabau R, Mohseni Z, Kim H, Natale RD, **Feng L**, Pan H, *Yang H. (2020). TMEM16F phospholipid scramblase mediates trophoblast fusion and placental development. **Sci Adv**. 2020 May 6;6(19):eaba0310. Doi: 10.1126/sciadv.aba0310. PMID: 42394719. (IF=14.96)
48. Aimuzi R, Luo K, Huang R, Huo X, Nian M, Ouyang F, Du Y, **Feng L**, Wang W, *Zhang J. (2020). Perfluoroalkyl substances and maternal thyroid hormones in early pregnancy. **Environ Pollut**. 2020 Sep;264:114557. Doi: 10.1016/j.envpol.2020.114557. PMID: 32388293. (IF=10.00)
49. Cunningham SJ, Allen TK, ***Feng L**, *Reddy TE. (2020). Functional Genomics of Healthy and Pathological Fetal Membranes. **Front in Physiol**. 19 June 2020. Doi: 10.3389/fphys.2020.00687. PMID: 32655414. (IF=4.76).
50. Marinello WP, Mohseni Z, Huang R, Cunningham SJ, Crute CE, Reddy TE, Zhang J, ***Feng L**. (2020). Perfluorobutane sulfonate exposure disrupted human placental cytotrophoblast proliferation and invasion involving in dysregulating preeclampsia related genes. **FASEB J**. Sep 9. Doi: 10.1096/fj.202000716RR. PMID: 32901980. (IF=5.834)

51. Marinello WP, **Feng L**, Allen TK. (2020). Progesterins inhibit interleukin-1 β -Induced Matrix Metalloproteinase 1 and Interleukin 8 expression via the Glucocorticoid Receptor in Primary Human Fetal Membrane Mesenchymal Cells. **Front Physiol.** Doi: 10.3389/fphys.2020.00900. PMID: 32792990. (IF=4.76)
52. Pham A, Zhang J, ***Feng L**. (2020). Perfluorobutane sulfonate and Perfluorooctanesulfonic acid exposure disrupts the production of angiogenesis factors and stress responses in human placental syncytiotrophoblasts. **Reprod Toxicol.** Doi: 10.1016/j.reprotox.2020.10.013. PMID: 33144174. (IF=3.42)
53. Liu Y, Chen H, ***Feng L**, *Zhang J. (2021). Gut Dysbacteriosis is Associated with Imbalanced Cytokine Network in Women with Unexplained Miscarriage. **npj Biofilms and Microbiomes.** 2021 Mar 17;7(1):24. Doi: 10.1038/s41522-021-00199-3. PMID: 33731680. I am the primary corresponding author. (IF=8.46)
54. Marichannegowda MH#, Mengual M#, Kumar A, Giorgi EE, Tu JJ, Martinez DR, Li X, **Feng L**, *Permar SR and *Gao F. (2021). Different evolutionary pathways of HIV-1 between fetus and mother perinatal transmission pairs indicate unique immune selection pressure in fetuses. **Cell Rep Med.** 2021 Jun 16;2(7):100315. Doi: 10.1016/j.xcrm.2021.100315. PMID:34337555. (IF=16.99)
55. Liu Y, Du M, Gan Y, Bao S, ***Feng L**, *Zhang J. (2021). Metabolic Inflammation: Potential Connection of Insulin Resistance and Recurrent Pregnancy Loss. **Front Endocrinol.** 2021 Apr 15;12:621845. Doi: 10.3389/fendo.2021.621845. PMID: 33935964. (IF=6.06).
56. Yu G, Luo, F, Nian M, Li Sh, Liu B, ***Feng L**, *Jun Zhang. (2021). Exposure to perfluoroalkyl substances during pregnancy and fetal BDNF level: A prospective cohort study. **Front Endocrinol.** 2021 Jun 1;12:653095. Doi: 10.3389/fendo.2021.653095. PMID: 34140927. (IF=6.06)
57. Xie X, Weng X, Liu S, Chen J, Guo X, Gao X, Fei Q, *Hao G, *Jing C, ***Feng L**. (2021). Perfluoroalkyl and Polyfluoroalkyl Substances Exposure and Association with Sex Hormone Concentrations: Results from the NHANES 2015-2016. **Environ Sci Eur.** 2021;33(1):69. Doi: 10.1186/s12302-021-00508-9. PMID: 36061407. (IF=5.48)
58. #Marchese M, #Li Sh, Liu B, *Zhang J, ***Feng L**. (2021). Perfluoroalkyl substances and the BDNF pathway in placental cells. **Front Endocrinol.** 2021 Jul 28;12:694885. Doi: 10.3389/fendo.2021.694885. PMID: 34394001. (IF=6.06)
59. *Liu Y, Tang W, Ao J, Zhang J, ***Feng L**. (2021). Transcriptomics integrated with metabolomics reveals the effect of Bisphenol F (BPF) exposure on intestinal inflammation. **Sci Total Environ.** 2022 Apr 10;816:151644. Doi: 10.1016/j.scitotenv.2021.151644. PMID: 34774955. (IF=10.75)
60. Ma R, Tang N, **Feng L**, Wang X, Zhang J, Ren X, Du Y, *Ouyang F. (2021). Effects of Triclosan exposure on placental extravillous trophoblast motility, relevant IGF/H19 signaling and DNA methylation-related enzymes of HTR-8/SVneo cells. **Ecotoxicology and Environmental Safety.** Volume 228, 25 December 2021, 113051. (IF=7.13).
61. Zhang J, Jing Sh, Zhang H, Zhang J, *Xie H, ***Feng L**. (2022). Low-dose aspirin prevents LPS-induced preeclampsia-like phenotype via AQP-1 and the MARP/ERK1/2 pathway. **Placenta.** 2022 Apr;121:61-69. Doi: 10.1016/j.placenta. 2022.03.007. PMID: 35279428. (IF=3.29).
62. #Li Sh, #Liu Y, Liu B, Ding W, Zhang Y, Xie Zh, *Zhang J, ***Feng L**. (2022). Maternal urban particulate matter SRM1648a exposure and signaling pathways in fetal brain and neurobehavioral development in offspring. **Toxicology.** 2022 May 30;474:153225. Doi: 10.1016/j.tox.2022.153225. PMID: 35659516. (IF=4.58).

63. Zhang Y, Liang P, Shan KZ, **Feng L**, Chen Y, Liedtke W, *Yang H. (2022). Functional coupling between TRPV channels and TMEM16F modulates trophoblast fusion. **Elife**. 2022 Jun 7;11e78840. Doi: 10.7554/eLife.78840. PMID: 35670667. (IF=8.713).
64. Li Sh, Liu Y, Liu B, Ding W, Zhang Y, Xie Zh, *Zhang J, ***Feng L**. (2022). Effects of maternal urban particulate matter SRM 1648a exposure on birth outcomes and offspring growth in mice. **Environ Geochem Health**. 2022 Aug 16. Doi: 10.1007/s10653-022-01352-3. PMID: 35972609. (IF=4.90).
65. Crute C E, Hall S, Landon C, Garner A, Everitt J, Zhang S, Blake B, Olofsson D, H Chen, Murphy S K, Stapleton H, ***Feng L**. (2022). Evaluating maternal exposure to an environmental per and polyfluoroalkyl substances (PFAS) mixture during pregnancy: adverse maternal and fetal health effects in a New Zealand White (NZW) rabbit model. **Sci Total Environ**. 2022 Sep 10;838(Pt 4):156499. Doi: 10.1016/j.scitotenv.2022.156499. PMID: 35679923. (IF=10.75).
66. Crute C E, Landon C, Garner A, Hall S M, Everitt J, Zhang S, Blake B, Olofsson D, H Chen, Stapleton H, Murphy S K, ***Feng L**. (2022) Maternal exposure to perfluorobutane sulfonate (PFBS) during pregnancy: evidence of adverse maternal and fetoplacental effects in New Zealand White (NZW) rabbits. **Toxicol Sci**. 2022 Dec 1;kfac126. PMID: 36453863 (IF=4.849).
67. Liu Y, *Zhang J, ***Feng L**. (2023). Cesarean section increases the risk of intestinal inflammation associated with the disrupted metabolic signatures in amniotic fluid. **Frontiers in Immunology**. Jan 24;14:1067602. PMID: 36761749. (IF=8.786).
68. Liu Y, Yu, G, Zhang R, ***Feng L**, *Zhang J. (2023). Early-life perfluorooctane sulfonic acid (PFOS) exposure disturbed gut homeostasis and increased the risk of intestinal inflammation in the offspring. **Environmental Pollution**. Apr 24;:121708. Doi:10.1016/j.envpol.2023.121708. PMID: 37100370. (IF=8.071).
69. Liu B, Liu Y, Li Sh, *Zhang J, ***Feng L**. (2023). BDNF promotes mouse follicular development and reverses ovarian aging by activating the cyclinD1-creb signaling pathway. **Journal of Ovarian Research**, 2023; 16:83. Apr 27. Doi: 10.1186/s13048-023-01163-9; PMID: 37106468. (IF=5.506).
70. Yokouch-Konishi T, Liu Y, Memon R, ***Feng L**. (2023). The Downregulation of Progesterone Receptor Membrane Component 2 (PGRMC2) is Critical for Human Placental Extravillous Trophoblasts Invasion. **Biology of Reproduction**. (IF=4.161). In press.
71. #Zhu X, #Huang Q, Jiang L, Nguyen Van Tu, Vu T, Devlin G, Shaima J, Wang X, Chen Y, Ma L, Xiang K, Wang E, Rong Q, Zhou Q, Kang Y, Asokan A, **Feng L**, Hsu D, *Shen X, *Yao J. (2023). Longitudinal Intravital Photoacoustic Imaging of Mouse Placenta Development. **Science Advances**. Revision. (IF=14.96)
72. Liu Y, Li Sh, Liu B, Zhang J, *Wang C, ***Feng L**. Maternal urban particulate matter (SRM 1648a) exposure disrupted the cellular immune homeostasis during early life: the potential attribution of placental function. **Sci Total Environ**. Under Review. (IF=10.75)
73. #Marchese M, #Zhu T, Hawkey A, Wang K. Yuan E, Wen W, S Be, *Levin E, ***Feng L**. (2023). Neurobehavioral Effects of Prenatal and Perinatal PFAS Exposure through Drinking Water. **Sci Total Environ**. (IF=10.75). Under Review. (IF=10.75)
74. Liu Y, Yu, G, Medsker H, Meng X, *Wang C, ***Feng L**, *Zhang J. Perturbation of the gut-liver crosstalk and the impact on hepatic inflammation by early-life PFOS exposure in rat offspring. **Environmental Science & Technology**. Submission. (IF=11.357).

75. Yu G, Luo T, Lui Y, Mo Ch, Huang B, Li Y, **Feng L**, Sun Y, Zhang J*, Zhang Zh*. (2023). Disturbance of glucose homeostasis in pregnant rats exposed to short-chain perfluorobutanesulfonic acid: An integrative analysis of transcriptomics and metabolomics. **Environmental Research**. Submission. (IF=8.431)
76. Liu B, Liu Y, Li Sh, *Zhang J, ***Feng L**. Depletion of Placental Brian-Derived Neurotrophic Factor (BDNF) attributes to premature ovarian insufficiency (POI) in mice offspring. **AJOG**. Submission. (IF=9.8)

Selected Non-Refereed Publications

77. **Feng L**, Behera M, Jayes F, Leppert P. 2008. Uterine fibroids: Development of a cell model of early fibroid growth. **Reproductive Sciences**. Volume/Issue: 15/2: 297-298.
78. **Feng L**, Murtha AP. 2010. R5020 Inhibits Calcium Ionophore-Induced Apoptosis in Trophoblast Cells by Regulating Intracellular Calcium. **Reproductive Sciences**. Volume/Issue: 17/3: 332-332.
79. **Feng L**, Jayes FL, Jung S-H, Leppert PC. 2010. Vitamin D Receptor (VDR) is Over-expressed In the Center of Uterine Fibroids. **Fertility and Sterility**. Volume/Issue: 94/4: S75-S75.
80. **Feng L**, Grotegut CA, Schomberg DW, Murtha AP. 2011. Progesterone Receptor Membrane Component 1 Mediated Signaling Inhibits Increase in Intracellular Ca²⁺ in Human Cytotrophoblast Cells. **Reproductive Sciences**. Volume/Issue: 18/3: 312-313.
81. **Feng L**, Antczak BC, Thompson JL, Grotegut CA, Murtha AP. 2012. PGRMC1 Expression in Fetal Membrane Layers among Women with Preterm Premature Rupture of the Membranes (PPROM). **Reproductive Sciences**. Volume/Issue: 19/S3: 295-295.
82. **Feng L**, Allen TK, Nazzal MK, Murtha AP. 2015. P4 and Progesterone Membrane Component 1 (PGRMC1) Inhibit Ureaplasma Parvum Induced Inflammation in Amnion and Chorion Cells. **Reproductive Sciences**. Volume: 22 (suppl): 236-237.
83. **Feng L**, Allen TK, Murtha AP. 2015. Role of P4 and Progesterone Receptor Membrane Component 1 (PGRMC1) in Sirtuin1 and Sirtuin 3 Regulation in Chorion Cells Under Oxidative Stress. **Reproductive Sciences**. Volume: 22 (suppl): 326-326.
84. **Feng L**, Desravine N, Nazzal M, Pryor K, Murtha AP. 2016. Characterization of Progesterone Receptor Membrane Component 1 in Peripheral Blood Mononuclear Cells and Plasma During Pregnancy. **Reproductive Sciences**. Volume/Issue: 23: 292-292.
85. **Feng L**, Antonia A, Murtha AP, Ko D. 2017. Racial Disparity in *Ureaplasma Parvum* Induced Inflammatory Responses. **Reproductive Sciences**. Volume/Issue: 24: 174-174.
86. Marinello WP, Huang R, Zhang JJ, ***Feng L**. 2018. Perfluorobutane Sulfonate Exposure Disrupts Cytotrophoblast Cell Proliferation and Invasion. **Reproductive Sciences**. Volume/Issue: 25: 234-234.
87. Florencia Pascual, **L Feng** was cited in an Invited Science Selection article: Trophoblast Organoids: A New Tool for Studying Placental Development. (2022). **Environmental Health Perspectives**. 31 May 2022. CID: 054003. <https://doi.org/10.1289/EHP11351>.
88. Jing Sh, Ye J, Lu D, Xie H, **Feng L**, Xie Zh, *Zhang J. (2022). Aspirin use during pregnancy and placental pathology in obese women in a large prospective cohort study. **Research Square**. Preprint.

Selected Plenary Abstracts:

1. Kraus D, **Feng L**, Heine RP, Brown H, Murtha A, Grotegut C. 2013. Smoking and preeclampsia protection: cigarette smoke increases placental adrenomedullin expression and improves trophoblast invasion via the adrenomedullin pathway. **American Journal of Obstetrics and Gynecology**. Volume/Issue: 208/1: S26-S26. **Plenary Oral Presentation**. 33rd Annual Meeting of Society of Maternal-Fetal Medicine (SMFM). February 11-16, San Francisco, California.

Selected abstracts:

1. **Feng L**, Behera M, Jayes F, Leppert P. 2008. Uterine fibroids: Development of a cell model of early fibroid growth. **Reproductive Sciences**. Volume/Issue: 15/2: 297-298. 55th Annual Scientific Meeting of The Society of Reproductive Investigation, March 26-29, San Diego, CA, USA
2. **Feng L**, Murtha AP. 2010. R5020 Inhibits Calcium Ionophore-Induced Apoptosis in Trophoblast Cells by Regulating Intracellular Calcium. **Reproductive Sciences**. Volume/Issue: 17/3: 332-332. 57th Annual Scientific Meeting of The Society of Reproductive Investigation, March 24-27, Orlando, Florida.
3. **Feng L**, Jayes FL, Jung S-H, Leppert PC. 2010. Vitamin D Receptor (VDR) is Over-expressed In the Center of Uterine Fibroids. **Fertility and Sterility**. Volume/Issue: 94/4: S75-S75. 57th Annual Scientific Meeting of The Society of Reproductive Investigation, March 24-27, Orlando, Florida. 67th Annual Scientific Meeting of The American Society of Reproductive Medicine. October 15-19, Orlando, Florida.
4. **Feng L**, Grotegut CA, Schomberg DW, Murtha AP. 2011. Progesterone Receptor Membrane Component 1 Mediated Signaling Inhibits Increase in Intracellular Ca²⁺ in Human Cytotrophoblast Cells. **Reproductive Sciences**. Volume/Issue: 18/3: 312-313. 58th Annual Scientific Meeting of The Society of Reproductive Investigation, March 16-19, Miami, Florida.
5. **Feng L**, Antczak BC, Thompson JL, Grotegut CA, Murtha AP. 2012. PGRMC1 Expression in Fetal Membrane Layers among Women with Preterm Premature Rupture of the Membranes (PPROM). **Reproductive Sciences**. Volume/Issue: 19/S3: 295-295. 60th Annual Scientific Meeting of The Society of Reproductive Investigation, March 20-23, Orlando, Florida.
6. Yan M, Schomberg D, Murtha A, **Feng L**. 2013. Changes in Progesterone Receptor Membrane Component 1 (PGRMC1) Expression in Fetal Membrane Cells with Progesterone, TNF- α , and Oxidative Stress Stimulus. **Reproductive Sciences**. Volume/Issue: 20/3: 123-123. 59th Annual Scientific Meeting of The Society of Reproductive Investigation, March 21-24, San Diego, CA, USA.
7. **Feng L**, Allen TK, Nazzal MK, Murtha AP. 2015. P4 and Progesterone Membrane Component 1 (PGRMC1) Inhibit *Ureaplasma Parvum* Induced Inflammation in Amnion and Chorion Cells. **Reproductive Sciences**. Volume: 22 (suppl): 236-237. 62th Annual Scientific Meeting of The Society of Reproductive Investigation, March 25-28, San Francisco, CA, USA.
8. **Feng L**, Allen TK, Murtha AP. 2015. Role of P4 and Progesterone Receptor Membrane Component 1 (PGRMC1) in Sirtuin1 and Sirtuin 3 Regulation in Chorion Cells Under Oxidative Stress. **Reproductive Sciences**. Volume: 22 (suppl): 326-326. 62th Annual Scientific Meeting of The Society of Reproductive Investigation, March 25-28, San Francisco, CA, USA.
9. **Feng L**, Desravine N, Nazzal M, Pryor K, Murtha AP. 2016. Characterization of Progesterone Receptor Membrane Component 1 in Peripheral Blood Mononuclear Cells and Plasma During Pregnancy. **Reproductive Sciences**. Volume/Issue: 23: 292-292. 63rd Annual Scientific Meeting of The Society of Reproductive Investigation, March 16-19, Montreal, QC, Canada.
10. **Feng L**, Antonia A, Murtha AP, Ko D. 2017. Racial Disparity in *Ureaplasma Parvum* Induced Inflammatory Responses. **Reproductive Sciences**. Volume/Issue: 24: 174-174. 64th Annual Scientific Meeting of the Society-for-Reproductive-Investigation (SRI). Orlando, FL. March 15-18.

11. Marinello WP, Huang R, Zhang JJ, *Feng L. (2018). Perfluorobutane Sulfonate Exposure Disrupts Cytotrophoblast Cell Proliferation and Invasion. 65th Annual Scientific Meeting of The Society of Reproductive Investigation. March 6-10, 2018, San Diego, CA, USA.
12. Song J, Marinello WP, Huang R, Zhang J, *Feng L. (2019). Perfluorobutane Sulfonate (PFBS) Exposure Interrupts Human Cytotrophoblast Cell Proliferation and Invasion Through Disruption of Focal Adhesion. March 12-16, 2019. Paris, France.
13. Crute C, Hall S, Landon C, Garner A, Murphy S, *Feng L. (2021). Maternal Exposure to an Environmentally Relevant Mixture of Per- and Polyfluoroalkyl Substances (PFAS) Leads to Adverse Pregnancy Outcomes in a New Zealand White Rabbit Model. 28th TCRB Annual Meeting, February 25, 2021. Virtual. *The best poster presentation award.
14. Crute C, Hall S, Landon C, Garner A, Stapleton H, Murphy S, *Feng L. (2021). Maternal Exposure to an Environmentally Relevant Mixture of Per- and Polyfluoroalkyl Substances (PFAS) Leads to Adverse Pregnancy Outcomes in a New Zealand White Rabbit Model. 68th Annual Scientific Meeting of the Society for Reproductive Investigation, July 5-10, 2021. Boston, MA. USA.
15. Konishi T and *Feng L. (2022). PGRMC2 Ablation Promotes Cell Invasion and Angiogenesis in The Extravillous Trophoblasts. 69th Annual Scientific Meeting of the Society for Reproductive Investigation. March 15-19, 2022. Denver, CO, USA.
16. Zhu T, Marchese M, Hawkey A, Wang K, Levin E, *Feng L. (2022). In Vivo Investigation of Neurodevelopmental Effects of PFAS Exposure through Drinking Water. 3rd Annual PFAS Meeting. June 15-17th, 2022, Wilmington, NC, USA.
17. Wang K, Zhu T, *Feng L. (2023). The Effect of PFAS Exposure on Thyroid Hormone Regulation, Transport, and Uptake During Pregnancy in Human Placental Cells and a Sprague-Dawley Rat Model. 30th Annual Scientific Meeting of the Triangle Consortium Reproductive Biology, February 25, 2023. Greenville, NC.
18. Be S, Konishi T, *Feng L. (2023). The Role of Progesterone Receptor Membrane Component 2 (PGRMC2) in Placenta Function, Gestational Diabetes, and Pregnancy Outcomes. 30th Annual Scientific Meeting of the Triangle Consortium Reproductive Biology, February 25, 2023. Greenville, NC.

Ad hoc Reviewer

Editorial Boards: Toxics

Associate Editor: Frontiers in Immunology

American Journal of Pathology

American Journal of Reproductive Immunology

Austin Gynecology Case Report

BMC Pregnancy and Childbirth

Clinical and Translational Medicine

CREST-Critical Review of Environmental Science and Technology

Chemosphere

Environmental Science processes and impacts

Environmental Health Perspectives

Environmental and Molecular Mutagenesis

FASEB Journal

Frontier in Immunology

Frontier in Physiology

Human Genetics
International Journal of Hygiene and Environmental Health
Journal of Obstetrics and Gynecology Research
Journal of Exposure Science and Environmental Epidemiology
Placenta
Plos One
Phenomix
Reproductive Sciences
Science Advance
Science of Total Environment
The Journal of Clinical Endocrinology and Metabolism
Toxicology
Virology

NIH study sections (PN, ZRG1 PSE-N, ZES1 LKB-K, ZES1 ARL-D, ZES1 LKB-K, ZES1 JAB-D, ZES1 BWD-S, ZES1 VSM-D, ZES1 QL-D, ZES1 LWJ-S, ZRG1 EMNR-S, ZRG1 MCST)
General Dynamics Information Technology (GDIT), TERP, CDMRP, OTE-3
CDC study sections (ZDP1 KVA, ZTS1 MLW)
DOD study section (TERP FY22)
Reviewer for Burrough Wellcome Trust Fund proposals
Reviewer for March of Dime Fund proposals
Reviewer for UK SBS proposals
Reviewer for UK MRC proposals
Reviewer for KL2 proposals (Wake Forest University, School of Medicine)

Invited Talks

- 2006 Cytotoxic effects of tumor necrosis factor (TNF) and the interferon gamma (IFN) on cultured human chorion epithelial cells. 8th International Conference on the Extracellular Matrix of the female reproductive tract, November 11-13, Maui, Hawaii.
- 2011 Formation of Nodules Containing ECM in an in-vitro Model of Early Fibroid Development. Duke OB/GYN research group, Durham, NC.
- 2011 Preterm Premature Rupture of Membrane, the Death of Survival. Duke OB/GYN research group, Durham, NC.
- 2012 PGRMC1 expression in fetal membrane layers among women with preterm premature rupture of the membranes (PPROM) compared with term and preterm. Duke OB/GYN research group, Durham, NC.
- 2013 PGRMC1 as a Predictor for Preterm Birth. Duke OB/GYN research group, Durham, NC.
- 2014 Fetal Membrane Integrity, the function of PGRMC1. Duke OB/GYN research group, Durham, NC.
- 2014 The heterogeneity of Uterine Fibroid. Champion Fund Scientific Meeting: Mechanotransduction of Reproductive Tract Symposium, Duke University, Durham, NC.
- 2015 Ureaplasma Parvum, the Fetal Membrane Infection, and Rupture. Duke Internal Medicine Dr. Valdivia research group, Durham, NC.
- 2015 Global Maternal Environmental Health Initiative. Duke Global Health Institute Seminar. Durham, NC.
- 2016 Ureaplasma Parvum and PPRM. Duke OB/GYN research group, Durham, NC.
- 2016 Maternal exposure of organophosphorus flame retardants: Impacts on pregnancy outcomes and fetal development. Shanghai Jiaotong University Xinhua Hospital, Shanghai, China.
- 2017 Probiotics and Pregnancy Outcomes. Guangzhou Society of Reproductive Immunology Annual Meeting, Foshan, China.
- 2017 Maternal Exposure to Endocrine Disruptors and Preterm Birth. PREBIC AA Annual Meeting, Haikou, China.
- 2018 The Role of PGRMC1 in Oxidative Stress-Induced Aging in Chorion Cells. PREBIC Biomarker

- Summit, February 17-18, 2018, Vienna, Austria.
- 2018 The Role of PGRMC1 in Oxidative Stress-Induced Aging in Chorion Cells. PREBIC Annual Workshop, April 19-22, 2018, Guangzhou, China.
- 2018 Maternal Exposure to PFBS and Birth Outcomes. Seminar, the Institute of Animal Science of the Chinese Academy of Science. April 17, 2018, Beijing, China.
- 2018 Fetal Membrane Infection, Up to Date. The 13th Shengjing Maternal Fetal Medicine Forum, June 8-10, 2018, Shenyang, Jilin, China.
- 2018 Maternal exposure to E-waste and Birth Outcomes in Taizhou, Project Update. Duke OB/GYN research group, Durham, NC.
- 2019 Maternal and Child Health in China. Guest Lecture for the Duke Asia-Pacific Studies Institute. February 27th, 2019
- 2019 The Roles of Two Novel Membrane Proteins in the Differentiation of Placental Cytotrophoblast cells. The 5th Red House Forum, Shanghai, China. June 13-19, 2019
- 2019 The Role of a Membrane Phospholipid Scramblase in Cytotrophoblast Fusion and Placental Development. The UTMB Reproductive Science Seminar. August 7, 2019, Galveston, TX.
- 2019 The Role of a Membrane Phospholipid Scramblase in Cytotrophoblast Fusion and Placental Development. The Maternal and Fetal Interface Conference, Xiaman, China. December 6-8, 2019.
- 2020 Maternal Exposure to PFBS and Birth Outcomes. NIEHS National Toxicology Program Laboratory Seminar Series. January 7, 2020.
- 2021 Maternal Exposure to PFAS and Birth Outcomes and Fetal Development. July 6-9, 2021, the 68th annual meeting of the Society of Reproductive Investigation (SRI), Boston, MA.
- 2021 Maternal Exposure to PFAS and Birth Outcomes. PREBIC Webinar. June 11th, 2021
- 2022 The pathways of maternal poly- and perfluoroalkyl substances (PFAS) exposure and preeclampsia. The 61st annual meeting of the Society of Toxicology (SOT) 2022, March 27-31, San Diego, CA. Invited speaker.
- 2022 The effects of PFAS exposure on placental development and fetal growth during pregnancy. Mini symposium: "Using in vitro and in silico approaches to identify chemical hazards and estimate health risks: a case study of per- and poly-fluoroalkyl substances (PFAS) and human placental toxicity" hosted by the UCSF Program on Reproductive Health and the Environment (PRHE) and the California Environmental Protection Agency's Office of Environmental Health Hazard Assessment (OEHHA). May 26, 2022, Virtual.
- 2022 The role of progesterone receptor membrane component 2 (PGRMC2) in cytotrophoblast functions. 6th International Conference on Reproductive Immunology Shenzhen. October 27-30, 2022, Virtual.
- 2023 The role of progesterone receptor membrane component 2 (PGRMC2) in placentation and pregnancy complications. Basic Science of Gestation and Parturition Symposium. February 17, 2023. NIEHS, RTP, NC.
- 2023 Neurobehavioral Effects of Prenatal and Perinatal PFAS Exposure through Drinking Water. The 18th International Neurotoxicity Associate meeting, May 21-25, 2023, Durham, NC.
- 2023 Pregnant with PFAS: The threat of 'forever chemicals' in North Carolina and Worldwide. OB/GYN Department Ground Round Presentation, Duke University School of Medicine, August 30, 2023, Durham, NC
- 2023 Neurobehavioral Effects of Prenatal and Perinatal PFAS Exposure through Drinking Water. September 16-19, US DOHaD annual conference, Kansas City, MI.

Professional awards and special recognitions (limited to within the US):

- 2012 Patent Application: *The level of PGRMC1 in Maternal Body Fluid Samples for the Predicting of Preterm Birth*. Amy Murtha, Liping Feng. Duke University.
- 2014 Patent Application: *Biomarkers for the Predicting of Preterm Birth*. Amy Murtha, Liping Feng, Patrick See. Duke University.
- 2014 February 25th, Duke Global Health Institute News: Stimulating Global Health Research with DGHI Pilot Funds. Liping Feng, M.D.

- 2017 <https://globalhealth.duke.edu/news/dghi-awards-pilot-grants-global-environmental-health-projects>
International Research Scientist Development Award, FIC, NIH.
<https://obgyn.duke.edu/news/liping-feng-md-awarded-funding-study-effects-pfbs-exposure-adverse-pregnancy-outcomesfetal>
- 2018 Spring, Duke Med Alumni News: The Placenta Model. Liping Feng, M.D. and George Truskey, Ph. D. https://issuu.com/davidpickel/docs/8474_dman_spr2018_
<https://obgyn.duke.edu/news/dukemed-alumni-news-features-liping-feng-mds-medx-project-placenta-chip>
- 2020 Featured in a NIEHS Environmental Factor Newsletter.
<https://factor.niehs.nih.gov/2020/2/science-highlights/replacement>
- 2020 Interviewed by Duke Clinical Practice Today and the news article is published online.
<https://globalhealth.duke.edu/student-projects/impacts-maternal-exposure-e-waste-birth-outcomes-2020-2021>
- 2020 Bass Connection News Report
<https://globalhealth.duke.edu/student-projects/impacts-maternal-exposure-e-waste-birth-outcomes-2020-2021>
- 2022 Duke Today and Duke School of Medicine Highlights featured my research on July 27th and August 10, 2022, respectively. Global concerns for maternal health come close to home: Liping Feng's preeclampsia research connects with local PFAS contamination.
https://today.duke.edu/2022/07/global-concerns-maternal-health-come-close-home?utm_source=newsletter&utm_medium=email&utm_content=Measuring%20PFAS%20exposure%20in%20pregnancy&utm_campaign=dukedaily2022-07-28
- 2022 The same article was also featured in Duke Global Health Institute August 2022 news for alumni and friends of the Duke Global Health Institute.
<https://today.duke.edu/2022/07/global-concerns-maternal-health-come-close-home>
- 2022 The same article was also featured in Duke OB/GYN Magazine.
<https://obgyn.duke.edu/duke-obgyn-magazine>
- 2023 NIH Awards R01 Grant to Feng's Team for PFAS Study.
<https://pathology.duke.edu/news/nih-r01-feng-pfas-study>
<https://obgyn.duke.edu/news/nih-awards-r01-grant-liping-feng-md-and-pathology-team-pfas-study>

Organizations and participation:

- | | |
|--------------|--|
| 2008 | Member, Society of Maternal Fetal Medicine (SMFM) |
| 2007-Present | Member, Society for Reproductive Investigation (SRI) |
| 2007-Present | Member, Triangle Consortium for Reproductive Biology (TCRB) |
| 2017-Present | Member, Preterm Birth International Collaboration (PREBIC) |
| 2017-Present | Member, Duke OB/GYN Diversity and Inclusion Committee |
| 2018-Present | Member, Society for Developmental Origins of Health and Disease (DOHaD) |
| 2018-2021 | Visiting Professor, Shanghai Jiaotong University, Xinhua Hospital, Shanghai, China |
| 2019-2022 | Vice President, Fetal Membrane Society |
| 2020 | Member, Duke Fulbright Campus Committees |
| 2020-Present | Workgroup Lead, Preterm Birth International Collaboration (PREBIC) |
| 2021-Present | Member, Early Career Committee, Society for Reproductive Investigation (SRI) |
| 2022-Present | Member, Duke School of Medicine Admission Committee |
| 2022-Present | Secretary General, Fetal Membrane Society |

Teaching Responsibilities

Graduate Students and Postdocs

1. Namya Mellouk, a postdoc, at Duke University
2. Tae Yokouchi, a postdoc, at Duke University

3. Yongjie Liu, a postdoc, at Shanghai Jiao Tong University
4. Xu Zhang, a postdoc, at Duke University
5. Karina Cuevas, a Ph.D. student, at Duke University
6. Christine Crude, a Ph.D. student, at Duke University
7. Sarah Cunningham, a Ph.D. student, at Duke University
8. Nadratan Chowdhury, a Ph.D. student, at Duke University (Bass Connections)
9. Bin Liu, a Ph.D. student, at Shanghai Jiao Tong University
10. Karina Cuevas, a Ph. D. student, at Duke University
11. Melissa Marchese, a master student, at Duke Global Health Institute
12. Tianyi Zhu, a master student, at Duke Global Health Institute
13. Hannah Medsker, a master student, at Duke Global Health Institute
14. Wangtin Wen, a master student, at Duke Global Health Institute
15. Chinenye Agina, a master student, at Duke Global Health Institute
16. Shuman Li, a master student, at Shanghai Jiao Tong University.
17. Yan Sun, a master student, at Duke University (Bass Connections)
18. Connie Xiong, a master student, at Duke University (Bass Connections)

Junior Faculty and Visiting Scholars

1. Terrence Allen, 2012-2022.
Current Position: Associate Professor, Duke University
2. Seong Jin, 2013
Current Position: Associate Professor, Yonsei University and Wonju College of Medicine, Wonju, Korea
3. Liwen Zhang
Current Position: Associate Professor, The Shanghai 5th Hospital of People, Shanghai, China
4. Yan Meng
Current Position: Associate Professor, Jishuitan Hospital, Beijing, China
5. Rong Huang
Current Position: Assistant Professor, Shanghai Jiao Tong University, Shanghai, China. Recently awarded by NSFC for career development.
6. Chunxia Jing
Current Position: Professor and Director, Jinan University, China
7. Marie Elise Abi Antoun
Current Position: Resident, OB/GYN Department, Tufts University.
8. Harshal Rawtani
Current Position: visiting scholar at my lab
9. Fumei Gao
Current Position: visiting scholar at my lab

Duke Maternal Fetal Medicine Fellows – Second Year Research

1. Ravindu Gunatilake
Current Position: Valley Perinatal Service, Scottsdale, AZ
2. Timothy Beiswenger
Current Position: Private Practice, Pensacola, FL
3. Bernard Canzoneri
Current Position: Northwest Physicians, Springdale, AR
4. Daniel Kraus

Current Position: Lehigh Valley Health Network, Allentown, PA

5. Kimberly Fortner
Current Position: UT Medical Center, Knoxville, TN
6. Carla Ransom
Current Position: Georgia Perinatal Consultants, Atlanta, GA
7. Jennifer Thomson
Current Position: Assistant Professor, MFM fellowship Director, Vanderbilt University, TN
8. Michael Smrtka
Current Position: Women's Healthcare Associates, Portland, OR
9. James Edwards
Current Position: WakeMed, Raleigh, NC
10. Annalies Denoble
Current Position: Duke Maternal Fetal Medicine Fellow, First Year

Duke OB/GYN residents – Third Year Research

1. Lauren Johnson
Current Position: REACH Reproductive Endocrine and Infertility Center, Charlotte, NC
2. Hilary Roeder
Current Position: Assistant Professor, UCSD, San Diego, CA
3. Jennifer Gilner
Current Position: Assistant Professor, Duke OB/GYN, Durham, NC
4. Max Edmonds
Current Position: Resident, Duke OB/GYN, Durham, NC

Duke Medical Students

1. Nerlyne Desravines
Current Position: UNC OB/GYN resident physician, Chapel Hill, NC
2. Kate Pryor
3. Lauren Potts (Sayres)
Current Position: Duke OB/GYN resident physician, Durham, NC

Undergraduate Students

1. Bass Connections Project, Duke University: Julia Murphy, Amy Zhao, Ashley Choi, Elizabeth Lamb, Angela Pham, Aneasha Raj, Afreen Ashraf, Alice Carroll, Xavier Heidelberg, Jenny Li, Kathy Lu, Amelia Martin, Xueqing Yun.
2. Bella Myer, Duke University, 2023-present
3. Julia Jackson, Duke University, 2023-present
4. Julia Happel, Duke University, 2022-present
5. Derek Gao, UNC, 2022-present
6. Sara Be, Duke University, 2021-present

7. Wayne Wen, Duke University, 2021-present
8. Katherine Wang, Duke University, 2021-present
9. Daniel Andrussier, Duke University, 2021-2022
10. Emi Yuan, Duke University, 2021-2022
11. Henry Chen, UCLA, 2021-2022
12. Angela Pham, Duke University, 2019-2020, graduate with distinction in biology.
Current Position: a medical scribe for an ENT/allergist in Dallas
13. Maya Iskandarani, Duke University, 2019-2020
Current Position: Lotus Walk at Boston
14. Hope Jackson, Duke University, 2017-2018
Current Position:
15. Luke Ford, UNC
Current Position: Medical Student

High School Students

1. Jessica Marchese, Canterbury High School, Fort Myers, FL
2. Emi Yuan, Panther Creek High School, NC
3. Franky Du (Guanlin Du), Hoosac School, NY
Current Position: Undergraduate student at Rutgers University
4. Henry Chen, NC Math and Science High School, Durham, NC
Current Position: Undergraduate student at UCLA
5. Yechen Hu, Sidwell Friends School, Washington, DC
Current Position: Undergraduate student at Princeton

Other Mentoring

Thesis Committee member for:

Sarah Cunningham, a Ph.D. student, at Duke University

Tim Wang (Xiangtian Wang), a Ph.D. student, at Duke University

Shaza Gaballah, a Ph.D. student, at Duke University

Luca Menozzi, a Ph.D. student, at Duke University

Courses

2002-2015	Duke Molecular Biology Techniques Workshop CRP267
2019	Lecture for Duke Asian-Pacific Studies Institute, AMES 270T-5
2019-2020	BIO 293 and BIO 493 (Duke Undergraduate Students Course)
2019-2020	GLHLTH 395-05 (Duke Undergraduate Student Course, Global Health)
	GLHLTH 795-05 (Duke Graduate Student Course, Global Health)
2021	NEUROSCI 490.09
	PATHOL 293.09
2022	NEUROSCI 150

Areas of Research Interest

The Feng Lab employs physiological, molecular, and translational approaches. The lab utilizes a wide variety of model systems including primary human trophoblast cells, stem cells, trophoblast organoids, human placental tissue, mice, rats, and rabbits. Current projects include 1) studies of the impact of perinatal PFAS exposure on placental function and early programming of fetal development, identifying mechanistic links between altered placental function, fetal growth, and adult health, placental-fetal signaling in modulating fetal immune and brain development; 2) studies of the roles of placental molecular signals in reproduction and neurobehavioral development in offspring using placental specific knockout mouse models.

Research Support

Past

Investigator, *A randomized double-blind trial on the safety and immunogenicity of inactivated trivalent influenza vaccine in pregnant*. University of Maryland (Duke PI Swamy), 01/06/2006-30/05/2010

Investigator, *A Phase II Study in Pregnant Women to Assess H1N1 Vaccine*. University of Maryland (Duke PI Swamy), 09/01/2009-08/31/2010

Investigator, *Tdap Vaccine in Pregnant Women*, University of Maryland (Duke PI Swamy) 02/01/2010-12/31/2012

Investigator, *Safety and Immunogenicity*. University of Maryland (Duke PI Swamy), 01/07/2010-31/05/2012

Investigator, *Mechanisms of Progesterone mediated effect on cytokine induced Metalloproteinase activity in human trophoblast cells*. (Duke PI Allen), Society for Obstetric Anesthesia and Perinatology (SOAP), 01/01/2012-12/31/2014

Co-Investigator, *Progesterone Receptor Membrane Component 1 (PGRMC1) as a Predictor of Preterm Birth*, (Duke PI Murtha), The Biomarker Factory, 10/01/2013-03/31/2014

Principal Investigator, *Understanding the pathogenicity of U. parvum among women and infants*, Duke Perinatal Research Fund, 01/01/2015.

Principal Investigator, *Genetic variation, one of the underlying mechanisms of the racial disparity in Ureaplasma Parvum induced inflammatory responses among African Americans and Caucasians*, Duke Perinatal Research Fund, 01/01/2016.

Principal Investigator, Duke Molecular Bio Tech Workshop Fund, 07/01/2018.

Principal Investigator, *Maternal exposure to e-waste in Guiyu, China and birth outcomes*, Duke Global Health Institute GEM Pilot Grant, 01/31/2017-07/30/2018.

Principal Investigator, *The development of a novel platform closely mimicking the human placental barrier*, MEDx Biomedical Research Fund, 04/01/2017-09/30/2018.

Investigator, *Cellular and Molecular Systems Biology of Preterm Birth*, University of Chicago, (Duke PI Crawford), 07/01/2015-12/31/2020

Principal Investigator, *The Pathogenesis of Preterm Birth*, Couch K Research Fund, 07/01/2018-2021.

Co-Principal Investigator, *Drinking Water Contamination, NC: Water Use, Human Health and Going Beyond GeneX*. Provost's Collaboratories, 07/01/2019-6/30/2022.

Principal Investigator, *The Global Impacts of E-waste Exposure and E-waste Recycling Policy on Maternal and Fetal Health*, Bass Connections, 07/01/2019-06/30/2022.

Principal Investigator, *Effects of perfluorobutane sulfonate (PFBS) exposure on adverse pregnancy outcomes and fetal development*. National Institutes of Health (NIH), 09/25/2017-03/31/2022.

Principal Investigator, *The role of progesterone receptor membrane component 2 (PGRMC2) in placentation and pregnancy complications*. Hammond Fund, 01/01/2022-12/30/2022.

Principal Investigator, *Developmental toxicity of per- and polyfluoroalkyl substances (PFAS) and neurodevelopmental behavioral and intellectual disorders in children: the placental link between environment and fetal brain*. Duke School of Medicine Bridge Fund, 04/01/2022-03/31/2023.

Present

Principal Investigator, RTI University Scholar, International RTI, 09/01/2023-08/31/2024, \$100,000.

Principal Investigator, *Perinatal Per- and poly-fluoroalkyl substances (PFAS) exposure and Immunotoxicity in early life*. National Institutes of Health (NIH), 04/01/2023-03/31/2028, \$3,000,000.

Pending

Principal Investigator, R01 proposal, PFAS exposure and Mitochondrial Functions in Placental Trophoblasts.

Co-Principal Investigator, R01 proposal, Longitudinal Intravital Photoacoustic Imaging of Placental Hemodynamics in Microvessels.

Participation in Academic and Administrative Activities of the University and Medical Center

2012-present Duke OB/GYN MFM fellowship recruitment
2015-present Duke Medical School Admissions Interviewer
2017-present Duke OB/GYN Diversity and Inclusion Committee member
2017 Judge for the Alpha Omega Alpha Medical Honor Society Scientific Research Symposia
2019-2022 Host the monthly Duke Reproductive Science Seminars
2022-present Duke Medical School Admission Committee Member

Community Service

2008-Present Donations to Local Good Will Stores, Durham, NC
2008-2018 Christmas Beanie Babies Donation to Children in Duke Hospital, Durham, NC
2015-2019 Annual March for Babies 5k Run, Raleigh, NC
2015-present Champion Fund Volunteer: Donation and Coordinate Events to Support the Fund
2016 Donation to Duke Cancer Research, Durham, NC
2017-present NC Diaper Bank Services, Durham, NC
2017-present Local High School Education, Durham, NC
2017-present Donation to the Society for Reproductive Investigation (SRI)
2018-2021 Food Bank and Shelter Services, Durham, NC
2019 McDonald House
2020 Care packages for Duke Ob/Gyn Clinics and donations for China and Duke hospitals for COVID19 pandemic.

2021
2022

Community yam picking
Donation to Equity Before Birth