

Curriculum Vitae

PERSONAL INFORMATION

Name: Wei Wu

Gender: Male

Birthdate: September 18, 1983

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School of Public Health, Nanjing Medical University

EDUCATION BACKGROUND

Guest Researcher (11/2017-11/2018)

National Institute of Environmental Health Sciences, United States

Major: Epidemiology

Postdoc. (10/2012-09/2016)

University: Nanjing Medical University

Department: State Key Laboratory of Reproductive Medicine

Major: Reproductive and developmental toxicology

Ph.D. (09/2007-07/2012)

University: Nanjing Medical University

Department: Department of Toxicology

Major: Toxicology

B.S. (09/2002-07/2007)

University: Nanjing Medical University

Department: School of Public Health

Major: Preventive Medicine

WORK EXPERIENCE

2018-present Associate Department Chair, Department of Toxicology, School of Public Health, Nanjing Medical University

2016-Present Associate Professor, Department of Toxicology, School of Public Health, Nanjing Medical University

2012-2016 Lecturer, Department of Toxicology, Nanjing Medical University

2010-2012 Research Assistant, School of Public Health, Nanjing Medical University

Honors and Awards

2019 Teaching achievement award of Nanjing Medical University

2018 Publons 2018 Peer Review Awards: the top 1% of reviewers in Clinical Medicine

2017 Excellent paper prize of the eighth national toxicology conference of Chinese Society of

Toxicology

- 2017 Young excellent thesis report award of the third annual conference on alternative methods and translational toxicology (international)
- 2017 First prize in national micro class teaching competition
- 2013 Excellent paper prize of the sixth national toxicology conference of Chinese Society of Toxicology

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- 2019-present Vice chairman of youth committee of Jiangsu Society of Toxicology
- 2019-present Member of basic toxicology committee of Jiangsu Society of Toxicology
- 2015-2019 Secretary-general of youth committee of Jiangsu Society of Toxicology
- 2014-2017 Secretary of Jiangsu Society of Toxicology
- 2014-present Society of Toxicology (SOT)
- 2014-present Jiangsu Society of Toxicology
- 2007-present Chinese Society of Toxicology

EDITORIAL ACTIVITIES

- 2015-present Scientific Reports, Editorial Board
- 2015-present SM Journal of Environmental Toxicology, Editorial Board
- 2015-present Global Journal of Genitourinary Cancer, Editorial Board
- 2015-present Austin Journal of Reproductive Medicine & Infertility, Editorial Board
- 2016-present Journal of Clinical Obstetrics, Gynecology & Infertility, Editorial Board
- 2016-present Scientific Journal of Genetics and Gene Therapy, Editorial Board
- 2016-present Remedy Open Access Journal- Obstetrics and Gynecology, Editorial Board
- 2016-present Annals of Men's Health and Wellness, Editorial Board
- 2017-present JSM Invitro Fertilization, **Associate Editor**
- 2017-present Journal of Experimental and Clinical Toxicology, Editorial Board
- 2017-present SCIREA Journal of Environment, Editorial Board
- 2017-present Current Pharmacogenomics and Personalized Medicine, Editorial Board
- 2017-present SL Pharmacology And Toxicology, Editorial Board
- 2017-present European Journal of Preventive Medicine, Editorial Board
- 2017-present SRL Toxicology: Current Research, Editorial Board
- 2017-present SM Journal of Clinical Andrology, Editorial Board
- 2017-present American Research Journal of Genetics, Editorial Board
- 2017-present Journal of Toxicology: Current Research, Editorial Board
- 2017-present Functional and Structural Genomics and Medicine, Editorial Board
- 2017-present Current Animal Science, Editorial Board
- 2017-present Journal of Gynecology and Obstetrics Research, Editorial Board
- 2017-present Annals of Molecular and Genetic Medicine, **Executive Editor**
- 2018-present International Journal of Sexual Health and Reproductive Health Care,
Editor-in-Chief

PEER-REVIEWER FOR JOURNALS

1. Environmental Health Perspectives
2. Clinical Science
3. Endocrine Connections
4. International Journal of Nanomedicine
5. Scientific Reports
6. Diabetes, Metabolic Syndrome and Obesity Targets and Therapy
7. Cancer Management and Research
8. Andrology
9. Bioscience Reports
10. Medicine
11. PLoS One
12. BMC Medical Genomics
13. Reproductive BioMedicine Online
14. Asian Journal of Pharmaceutical Sciences
15. Food & Function
16. Reproductive Sciences
17. Drug Design Development and Therapy
18. Journal of Assisted Reproduction and Genetics
19. Andrologia
20. Systems Biology in Reproductive Medicine
21. Oncotarget
22. Human Fertility
23. Tumor Biology
24. Journal of Advanced Research
25. Andrology-Open Access
26. Medical Science Monitor
27. Biochemistry & Physiology
28. Onkologia I Radioterapia
29. Women's Health & Gynecology
30. Advances in Medical Research
31. Advances in Pediatric Research
32. Pathology Research and Practice
33. Journal of Gynecology and Infertility
34. Journal of Sleep Disorders and Medicine
35. The Application of Clinical Genetics
36. European Journal of Preventive Medicine
37. Journal of Gynecology and Infertility
38. Journal of AIDS and HIV infections
39. JSM Environmental Science and Ecology
40. Madridge Journal of Molecular Biology
41. Family Medicine and Community Health
42. SM Journal of Environmental Toxicology
43. SL Virology & Retrovirology Journal
44. Biochemistry & Physiology: Open Access

45. Global Research in Gynecology and Obstetrics
46. Journal of Clinical & Experimental Pharmacology
47. Journal of Experimental and Clinical Toxicology
48. Scientific Journal of Genetics and Gene Therapy
49. Functional and Structural Genomics and Medicine
50. Journal of Primary Health Care & General Practice
51. Advanced journal of Toxicology: Current Research
52. Global Journal of Biology, Agriculture and Health Sciences
53. Journal of Huazhong University of Science and Technology
54. International Journal of Sexual and Reproductive Health
55. International Journal of Sexual Health and Reproductive Health Care
56. International Journal of Occupational and Environmental Medicine
57. International Research Journal of Medicine and Medical Sciences

INVITED PRESENTATIONS

1. "Smoking, ambient air pollution and semen quality in a cohort of fertile men". Seminar of Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. Chapel Hill, United States. September 7, 2018.
2. "Smoking and Semen Quality: a NMU-LIFE study of 1631 Fertile Men". Epidemiology branch, NIEHS, United States. May 30, 2018.
3. "Molecular mechanism of prenatal DBP exposure-induced epigenetic transgenerational failure of spermatogenesis in rats". The 8th National Conference of China Society of Toxicology. Jinan, China. October 15-18, 2017.
4. "A role of betaine in prenatal DBP exposure-induced epigenetic transgenerational failure of spermatogenesis in rats". 2017 (3rd) International Conference on Toxicity Testing Alternatives & Translational Toxicology. Nanjing, China. July 9-12, 2017.
5. "Implementation and lessons of CNBC". 3rd International Symposium on Environmental Health. Seoul, Korea. February 12-14, 2017.
6. "Gene-Gene and Gene-Environment Interactions on Risk of Male Infertility". International Society for Environmental Epidemiology and International Society of Exposure Science-Asia Chapter 2016 (ISEE-ISES AC2016). Sapporo, Japan. September 19-23, 2016.
7. "Future Challenge of Biobank in Birth Cohort". Workshop for International Project FETOTOX. Aarhus, Denmark. October 26-30, 2015.
8. "Future Challenge of Biobank in Birth Cohort". The 6th BiCCA meeting. Singapore, Singapore. September 19-23, 2015.
9. "Epigenetic Transgenerational Actions of Dibutyl Phthalate and Male Fertility". The 6th National Conference of China Society of Toxicology. Guangzhou, China. November 12-15, 2013.

GRANTS

1. National key research and development project: The establishment and basic research for application of China Assisted reproductive birth cohort population and the offspring cohort of the Chinese population. 2016/7-2021/6, ¥280,900.

2. National Natural Science Foundation of China (81673217): The study of role and molecular mechanisms of the DSTF1/miR-125-3p/Fstl3 pathway in the transgenerational spermatogenic failure caused by prenatal DBP exposure. 2017/1-2020/12, ¥600,000.
3. China Postdoctoral Science Foundation (2015T80571): The role and molecular mechanisms of human miR-483-3p in the BP-3 induced fetal macrosomia. 2015/7-2017/6, ¥150,000.
4. National Natural Science Foundation of China (81302457): Effect and mechanism of miR-17-92 gene cluster in spermatogenic failure induced by genistein exposure. 2014/1-2016/12, ¥240,000
5. Jiangsu Natural Science Foundation (BK20130894): The role and molecular mechanisms of miR-200s family in spermatogenic failure induced by genistein exposure. 2013/7-2016/6, ¥200,000.
6. China Postdoctoral Science Foundation (2013M531388): The role and molecular mechanism of imprinted lncRNA-H19 in fetal growth restriction. 2013/3-2015/2, ¥50,000.
7. Science and Technology Development Fund Key Project of Nanjing Medical University (2012NJMU002): Environment and epigenetics risk factors and their interactions in spermatogenic failure. 2012/12-2014/12, ¥30,000.

PEER-REVIEWED BOOK CHAPTER

1. **Wu W***《Pregnancy and Birth Outcomes》. **Book edited by Wei Wu**, Chapter 1: Introductory Chapter: Environmental, Genetic, and Epigenetic Risk Factors in Adverse Pregnancy and Birth Outcomes. IntechOpen. ISBN 978-1-78923-243-1. 2018.
2. Tang Q, **Wu W***, Zhang J, Fan R, Liu M. 《Spermatozoa - Facts and Perspectives》. Book edited by Rosaria Meccariello. Chapter 8: Environmental Factors and Male Infertility. IntechOpen. ISBN 978-1-78923-171-7. 2018.
3. **Wu W***, Tang Q, Gu H, Chen Y, Xia Y, Sha J, Wang X. 《Gential Infections and Infertility》. Book edited by Atef M. Darwish. Chapter 13: Infection and genetics influence on risk of infertility. InTech., ISBN 978-953-51-2487-0, Print ISBN 978-953-51-2488-7, Published: June 29, 2016 under CC BY 3.0 license.
4. **Wu W***, Xia Q, Tang Q, Xia Y, Wang X. 《Human Reproductive Health》. Chapter 1: Epigenetics and Male Infertility, Avid Science, 2017.

NATIONAL INVENTION PATENTS

1. **Wu W**, Yuan B, Tang Q, Rui C, Ju R, Chen L, Xia Y, Lu C, Wang X. A sign for detecting transgenerational spermatogenesis disorder effect of the small RNA markers and their application. Patent number: ZL201610908072.5
2. **Wu W**, Tang Q, Ding H, Chen M, Xia Y, Lu C, Wang X. Serum miRNA biomarker and its application in human fetal growth restriction. Patent number: ZL201410028086.9.
3. Xia Y, **Wu W**, Lv S, Fu G, Lu C, Wang X. Human severe preeclampsia serum miRNA biomarkers and its application. Patent number: ZL201310157817.5.

4. Xia Y, **Wu W**, Wang X, Xu Q, Jiang H, Huang L, Tang Q, Lv S, Fu G. Human fetal growth restriction related serum miRNA biomarkers and its application. Patent number: ZL201310159425.2.
5. Xia Y, **Wu W**, Lu C, Qin Y, Du G, Xu M, Wang X. A clinical and idiopathic NOA related mitochondrial DNA SNP markers and its application. Patent number: ZL201310256853.7.
6. Lu C, Wang R, Xia Y, **Wu W**, Xu M, Qin Y, Chen M, Du G, Wang X. A clinical and idiopathic asthenozoospermia associated mitochondrial DNA SNP markers and its application. Patent number: ZL201410012282.7.
7. Tang W, Tang J, Lu C, **Wu W**, Qin J, Li B, Zhou Z, Liu K. Plasma miRNA markers and its application in idiopathic human intestinal aganglionosis. Patent number: ZL201410025928.5.
8. Xia Y, Tang W, Wang X, **Wu W**, Lu C, Zhou Z, Li B. The plasma microRNA biomarkers and its application in Hirschsprung's disease. Patent number: ZL201110352930.X.
9. Wang X, Xia Y, Hu Z, Shen H, **Wu W**. The human non obstructive azoospermia related seminal plasma microRNA markers and their application. Patent number: ZL201110227418.2.
10. Xia Y, Tang W, Chen M, Tang J, Qiao S, **Wu W**, Lu C, Wang X. Plasma markers of small molecule metabolism in Hirschsprung's disease and its application. Patent number: ZL 201310192127.3.

COMPUTER SOFTWARE COPYRIGHT

1. **Wu W**. The male reproductive health survey data management system. Registration number: 2015SR195149.
2. **Wu W**. The pregnant women health survey data management system. Registration number: 2015SR195012.
3. Han X, **Wu W**, Xia Y. The children's health survey data management system. Registration number: 2016SR021079.

PEER REVIEWED PUBLICATIONS (*corresponding author)

1. Tang Q, Gui J, Wu X, **Wu W***. Downregulation of miR-424 in placenta is associated with severe preeclampsia. *Pregnancy Hypertens.* 2019; In press.
2. Tang Q, Pan F, Wu X, Nichols CE, Wang X, Xia Y, London SJ, **Wu W***. Semen quality and cigarette smoking in a cohort of healthy fertile men. *Environ Epidemiol.* 2019; In press.
3. Han X, Wang Y, Chen T, Wilson MJ, Pan F, Wu X, Rui C, Chen D, Tang Q, **Wu W***. Inhibition of progesterone biosynthesis induced by deca-brominated diphenyl ether (BDE-209) in mouse Leydig tumor cell (MLTC-1). *Toxicol In Vitro.* 2019; pii: S0887-2333(18)30501-0.
4. Guo D, Jiang H, Chen Y, Yang J, Fu Z, Li J, Han X, Wu X, Xia Y, Wang X, Chen L, Tang Q, **Wu W***. Elevated microRNA-141-3p in placenta of non-diabetic macrosomia regulate trophoblast proliferation. *EBioMedicine.* 2018; 38:154-161. (**Cover Article**)
5. Tang Q, Pan F, Yang J, Fu Z, Lu Y, Wu X, Han X, Chen M, Lu C, Xia Y, Wang X, **Wu W***. Idiopathic male infertility is strongly associated with aberrant DNA methylation of imprinted loci in sperm: a case-control study. *Clin Epigenetics.* 2018; 10(1):134.
6. Li J, Fu Z, Jiang H, Chen L, Wu X, Ding H, Xia Y, Wang X, Tang Q, **Wu W***. IGF2-derived

miR-483-3p contributes to macrosomia through regulating trophoblast proliferation by targeting RB1CC1. **Mol Hum Reprod.** 2018; 24(9):444-452.

7. Zhou R, Zhang Y, Du G, Han L, Zheng S, Liang J, Huang X, Qin Y, **Wu W**, Chen M, Wu D, Song L, Fu G, Lv S, Xia Y, Lu C, Wang X. Down-regulated let-7b-5p represses glycolysis metabolism by targeting AURKB in asthenozoospermia. **Gene.** 2018; 663:83-87.
8. Chen M, Ni C, Hu Y, Wang M, Liu L, Ji X, Chu H, **Wu W**, Lu C, Wang S, Wang S, Zhao L, Li Z, Zhu H, Wang J, Xia Y, Wang X. Meta-analysis on the effectiveness of team-based learning on medical education in China. **BMC Med Educ.** 2018;18(1):77.
9. Han Y, Ji Y, Kang S, Dong T, Zhou Z, Zhang Y, Chen M, **Wu W**, Tang Q, Chen T, Wang Y, Xia Y. Effects of particulate matter exposure during pregnancy on birth weight: A retrospective cohort study in Suzhou, China. **Sci Total Environ.** 2018; 615:369-374.
10. Yuan B, **Wu W***, Chen M, Gu H, Tang Q, Guo D, Chen T, Chen Y, Lu C, Song L, Xia Y, Chen D, Rehan V, Sha J, Wang X*. Metabolomics reveals a role of betaine in prenatal DBP exposure-induced epigenetic transgenerational failure of spermatogenesis in rats. **Toxicol Sci.** 2017; 158 (2): 356-366. **(Cover Article)**
11. Tang Q, Chen Y, **Wu W***, Ding H, Xia Y, Chen D, Wang X. Idiopathic male infertility and polymorphisms in the DNA methyltransferase genes involved in epigenetic marking. **Sci Rep.** 2017; 7(1):11219.
12. Wang L, Hu W, Guan Q, Du G, Chen T, **Wu W**, Wang Y, Wang X, Xia Y. The association between cooking oil fume exposure during pregnancy and birth weight: A prospective mother-child cohort study. **Sci Total Environ.** 2017; 612:822-830.
13. Qiao S, **Wu W (co-first author)**, Chen M, Tang Q, Xia Y, Jia W, Wang X. Seminal plasma metabolomics approach for the diagnosis of unexplained male infertility. **PLoS One.** 2017; 12(8):e0181115.
14. Hu W, Chen M, Ji J, Qin Y, Zhang F, Xu M, **Wu W**, Du G, Wu D, Han X, Jin L, Xia Y, Lu C, Wang X. Interaction between Y chromosome haplogroup O3* and 4-n-octylphenol exposure reduces the susceptibility to spermatogenic impairment in Han Chinese. **Ecotoxicol Environ Saf.** 2017; 144:450-455.
15. Pan L, Liu Q, Li J, **Wu W**, Wang X, Zhao D, Ma J. Association of the VDAC3 gene polymorphism with sperm count in Han-Chinese population with idiopathic male infertility. **Oncotarget.** 2017; 8(28):45242-45248.
16. Chang C, Chen M, Gao J, Luo J, Wu K, Dong T, Zhou K, He X, Hu W, **Wu W**, Lu C, Hang B, Meeker JD, Wang X, Xia Y. Current pesticide profiles in blood serum of adults in Jiangsu Province of China and a comparison with other countries. **Environ Int.** 2017; 102:213-222.
17. Gu H, **Wu W***, Yuan B, Tang Q, Guo D, Chen Y, Xia Y, Hu L, Chen D, Sha J, Wang X. Genistein up-regulates miR-20a to disrupt spermatogenesis via targeting Limk1. **Oncotarget.** 2017; 8(35):58728-58737.
18. Guo D, **Wu W***, Tang Q, Qiao S, Chen Y, Chen M, Teng M, Lu C, Ding H, Xia Y, Hu L, Chen D, Sha J, Wang X. The impact of BMI on sperm parameters and the metabolite changes of seminal plasma concomitantly. **Oncotarget.** 2017; 8(30):48619-48634.
19. Chen T, Xu J, Liu G, Liu H, Chen M, Qin Y, **Wu W**, Xia Y, Ji C, Guo X, Wen J, Wang X. Genetic variants in PTPRD and risk of gestational diabetes mellitus. **Oncotarget.** 2016; 7(46):76101-76107.
20. Ji J, Qin Y, Zhou R, Zang R, Huang Z, Zhang Y, Chen M, **Wu W**, Song L, Ling X, Shen H, Hu

Z, Xia Y, Lu C, Wang X. X chromosome-wide identification of SNVs in microRNA genes and non-obstructive azoospermia risk in han chinese population. **Oncotarget**. 2016; 7(31):49122-49129.

21. Chang J, Pan F, Tang Q, **Wu W***, Chen M, Lu C, Ding H, Hu L, Chen D, Xia Y, Wang X. eNOS gene T786C, G894T and 4a4b polymorphisms and male infertility susceptibility: a meta-analysis. **Andrologia**. 2016; 49(4).
22. Hu W, Chen M, **Wu W***, Lu J, Zhao D, Pan F, Lu C, Xia Y, Hu L, Chen D, Sha J, Wang X. Gene-gene and gene-environment interactions on risk of male infertility: Focus on the metabolites. **Environ Int**. 2016; 91:188-195.
23. Pan B, Li R, Chen Y, Tang Q, **Wu W***, Chen L, Lu C, Pan F, Ding H, Xia Y, Hu L, Chen D, Sha J, Wang X. Genetic Association Between Androgen Receptor Gene CAG Repeat Length Polymorphism and Male Infertility: A Meta-Analysis. **Medicine (Baltimore)**. 2016; 95(10):e2878.
24. Yuan B, Gu H, Xu B, Tang Q, **Wu W***, Ji X, Xia Y, Hu L, Chen D, Wang X. Effects of Gold Nanorods on Imprinted Genes Expression in TM-4 Sertoli Cells. **Int J Environ Res Public Health**. 2016; 13(3). pii: E271.
25. Lu J, Gu H, Tang Q, **Wu W***, Yuan B, Guo D, Wei Y, Sun H, Xia Y, Ding H, Hu L, Chen D, Sha J, Wang X. Common SNP in hsa-miR-196a-2 increases hsa-miR-196a-5p expression and predisposes to idiopathic male infertility in Chinese Han population. **Sci Rep**. 2016; 6:19825.
26. Zhou R, Wang R, Qin Y, Ji J, Xu M, **Wu W**, Chen M, Wu D, Song L, Shen H, Sha J, Miao D, Hu Z, Xia Y, Lu C, Wang X. Mitochondria-related miR-151a-5p reduces cellular ATP production by targeting CYTB in asthenozoospermia. **Sci Rep**. 2015; 5:17743.
27. Li J, Chen L, Tang Q, **Wu W***, Gu H, Liu L, Wu J, Jiang H, Ding H, Xia Y, Chen D, Hu Y, Wang X. The role, mechanism and potentially novel biomarker of microRNA-17-92 cluster in macrosomia. **Sci Rep**. 2015; 5:17212.
28. Ji J, Qin Y, Ren J, Lu C, Wang R, Dai X, Zhou R, Huang Z, Xu M, Chen M, **Wu W**, Song L, Shen H, Hu Z, Miao D, Xia Y, Wang X. Mitochondria-related miR-141-3p contributes to mitochondrial dysfunction in HFD-induced obesity by inhibiting PTEN. **Sci Rep**. 2015; 5:16262.
29. Ju R, **Wu W (co-first author)**, Tang Q, Wu D, Xia Y, Wu J, Wang X. Association Analysis between the Polymorphisms of HSD11B1 and H6PD and Risk of Polycystic Ovary Syndrome in Chinese Population. **PLoS One**. 2015; 10(10):e0140326.
30. Lu C, Xu M, Wang R, Qin Y, Ren J, **Wu W**, Song L, Wang S, Zhou Z, Shen H, Sha J, Hu Z, Xia Y, Miao D, Wang X. A genome-wide association study of mitochondrial DNA in Chinese men identifies two risk single nucleotide substitutions for idiopathic oligoasthenospermia. **Mitochondrion**. 2015; 24:87-92.
31. Tang W, Tang J, He J, Zhou Z, Qin Y, Qin J, Li B, Xu X, Geng Q, Jiang W, **Wu W**, Wang X, Xia Y. SLIT2/ROBO1-miR-218-1-RET/PLAG1: a new disease pathway involved in Hirschsprung's disease. **J Cell Mol Med**. 2015; 19(6):1197-207.
32. Ju R, **Wu W (co-first author)**, Fei J, Qin Y, Tang Q, Wu D, Xia Y, Wu J, Wang X. Association analysis between the polymorphisms of HSD17B5 and HSD17B6 and risk of polycystic ovary syndrome in Chinese population. **Eur J Endocrinol**. 2015; 172(3):227-33.
33. Tang W, Li H, Tang J, **Wu W**, Qin J, Lei H, Cai P, Huo W, Li B, Rehan V, Xu X, Geng Q,

Zhang H, Xia Y. Specific serum microRNA profile in the molecular diagnosis of Hirschsprung's disease. *J Cell Mol Med.* 2014; 18(8):1580-7.

34. Zhao M, Tang Q, **Wu W (corresponding author)**, Xia Y, Chen D, Wang X. miR-20a contributes to endometriosis by regulating NTN4 expression. *Mol Biol Rep.* 2014; 41(9):5793-7.
35. Jiang H, **Wu W (co-first author)**, Zhang M, Li J, Peng Y, Miao T, Zhu H, Xu G. Aberrant upregulation of miR-21 in placental tissues of macrosomia. *J Perinatol.* 2014; 34(9):658-63.
36. Zhang S, Tang Q, **Wu W***, Yuan B, Lu C, Xia Y, Ding H, Hu L, Chen D, Sha J, Wang X. Association between DAZL polymorphisms and susceptibility to male infertility: systematic review with meta-analysis and trial sequential analysis. *Sci Rep.* 2014; 4:4642.
37. Qin Y, Ji J, Du G, **Wu W**, Dai J, Hu Z, Sha J, Hang B, Lu C, Xia Y, Wang X. Comprehensive pathway-based analysis identifies associations of BCL2, GNAO1 and CHD2 with non-obstructive azoospermia risk. *Hum Reprod.* 2014; 29(4):860-6.
38. Qin Y, Du G, Chen M, Hu W, Lu C, **Wu W**, Hang B, Zhou Z, Wang X, Xia Y. Combined effects of urinary phytoestrogens metabolites and polymorphisms in metabolic enzyme gene on idiopathic male infertility. *Arch Toxicol.* 2014; 88(8):1527-36.
39. Zhou Z, Qin J, Tang J, Li B, Geng Q, Jiang W, Wu W, Rehan V, Tang W, Xu X, Xia Y. Down-regulation of MeCP2 in Hirschsprung's disease. *J Pediatr Surg.* 2013; 48(10):2099-2105.
40. Tang W, Qin J, Tang J, Zhang H, Zhou Z, Li B, Geng Q, **Wu W**, Xia Y, Xu X. Aberrant reduction of MiR-141 increased CD47/CUL3 in Hirschsprung's disease. *Cell Physiol Biochem.* 2013; 32(6):1655-67.
41. Xu M, Qin Y, Qu J, Lu C, Wang Y, **Wu W**, Song L, Wang S, Chen F, Shen H, Sha J, Hu Z, Xia Y, Wang X. Evaluation of Five Candidate Genes from GWAS for Association with Oligozoospermia in a Han Chinese Population. *PLoS One.* 2013; 8(11):e80374.
42. Lu C, Xu M, Wang R, Qin Y, Wang Y, **Wu W**, Song L, Wang S, Shen H, Sha J, Miao D, Hu Z, Xia Y, Wang X. Pathogenic variants screening in five non-obstructive azoospermia-associated genes. *Mol Hum Reprod.* 2013; 20(2):178-83.
43. Tang Q, Li J, Zhang S, Yuan B, Sun H, Wu D, Lu C, **Wu W (corresponding author)**, Xia Y, Ding H, Hu L, Chen D*, Sha J*, Wang X. GSTM1 and GSTT1 Null Polymorphisms and Childhood Acute Leukemia Risk: Evidence from 26 Case-Control Studies. *PLoS One.* 2013; 8(10):e78810.
44. Xu S, Xu P, **Wu W**, Ou Y, Xu J, Zhang G, Li J, Xu G. The biphasic expression pattern of miR-200a and E-cadherin in epithelial ovarian cancer and its correlation with clinicopathological features. *Curr Pharm Des.* 2014; 20(11):1888-95.
45. **Wu W***, Lu J, Tang Q, Zhang S, Yuan B, Li J, Di Wu, Sun H, Lu C, Xia Y, Chen D, Sha J, Wang X. GSTM1 and GSTT1 null polymorphisms and male infertility risk: an updated meta-analysis encompassing 6934 subjects. *Sci Rep.* 2013; 3:2258.
46. Xu C, Song RJ, Yang J, Jiang B, Wang XL, **Wu W**, Zhang W. Klotho gene polymorphism of rs3752472 is associated with the risk of urinary calculi in the population of Han nationality in Eastern China. *Gene.* 2013; 526(2):494-7.
47. Lu C, Wang Y, Zhang F, Lu F, Xu M, Qin Y, **Wu W**, Li S, Song L, Yang S, Wu D, Jin L, Shen H, Sha J, Xia Y, Hu Z, Wang X. DAZ duplications confer the predisposition of Y chromosome haplogroup K* to non-obstructive azoospermia in Han Chinese populations. *Hum Reprod.*

2013; 28(9):2440-9.

48. **Wu W***, Lu J, Chen D, Yuan B, Qin Y, Han X, Niu X, Xu B, Lu C, Xia Y, Sha J, Wang X. Association of prostate cancer susceptibility variant (MSMB) rs10993994 with risk of spermatogenic failure. **Gene**. 2013; 524:197-202.
49. Tang W, Li B, Tang J, Liu K, Qin J, **Wu W**, Geng Q, Zhang J, Chen H, Xu X, Xia Y. Methylation analysis of EDNRB in human colon tissues of Hirschsprung's disease. **Pediatr Surg Int**. 2013; 29:683-8.
50. Lv Q, Lu J, **Wu W**, Sun H, Zhang J. Association of the methylenetetrahydrofolate reductase gene A1298C polymorphism with stroke risk based on a meta-analysis. **Genet Mol Res**. 2013; 12(4):6882-94.
51. **Wu W**, Qin Y, Li Z, Dong J, Dai J, Lu C, Guo X, Zhao Y, Zhu Y, Zhang W, Sha J, Shen H, Xia Y, Hu Z, Wang X. Genome-wide microRNA expression profiling in idiopathic non-obstructive azoospermia: significant up-regulation of miR-141, miR-429 and miR-7-1-3p. **Hum Reprod**. 2013; 28:1827-36.
52. Qin Y, Chen M, **Wu W (co-first author)**, Xu B, Tang R, Chen X, Du G, Lu C, Meeker JD, Zhou Z, Xia Y, Wang X. Interactions between Urinary 4-tert-Octylphenol Levels and Metabolism Enzyme Gene Variants on Idiopathic Male Infertility. **PLoS One**. 2013; 8:e59398.
53. Tang Q, **Wu W (co-first author)**, Xu X, Huang L, Gao Q, Chen H, Sun H, Xia Y, Sha J, Wang X, Chen D, Xu Q. miR-141 Contributes to Fetal Growth Restriction by Regulating PLAG1 Expression. **PLoS One**. 2013; 8:e58737.
54. Lu C, Xu M, Wang Y, Qin Y, Du G, **Wu W**, Han X, Ji C, Yang Y, Gu A, Xia Y, Song L, Wang S, Wang X. Genetic variants in meiotic program initiation pathway genes are associated with spermatogenic impairment in a Han Chinese population. **PLoS One**. 2013; 8:e53443.
55. Xu S, **Wu W (co-first author)**, Sun H, Lu J, Yuan B, Xia Y, Moor B, Marchal K, Wang X, Xu P, Cheng W. Association of the vascular endothelial growth factor gene polymorphisms (-460C/T, +405G/C, and +936T/C) with endometriosis: a meta-analysis. **Ann Hum Genet**. 2012; 76:464-471.
56. Chen M, Xu B, Ji W, Qiao S, Hu N, Hu Y, **Wu W**, Qiu L, Zhang R, Wang Y, Wang S, Zhou Z, Xia Y, Wang X. Bisphenol A Alters n-6 Fatty Acid Composition and Decreases Antioxidant Enzyme Levels in Rat Testes: A LC-QTOF-Based Metabolomics Study. **PLoS One**. 2012; 7:e44754.
57. Tang W, Li B, Xu X, Zhou Z, **Wu W**, Tang J, Qin J, Geng Q, Jiang W, Zhang J, Sha J, Xia Y, Wang X. Aberrant high expression of NRG1 gene in Hirschsprung disease. **J Pediatr Surg**. 2012; 47:1694-8.
58. Han X, Tang R, Chen X, Xu B, Qin Y, **Wu W**, Hu Y, Xu B, Song L, Xia Y, Wang X. 2,2',4,4'-Tetrabromodiphenyl ether (BDE-47) decreases progesterone synthesis through cAMP-PKA pathway and P450scc downregulation in mouse Leydig tumor cells. **Toxicology**. 2012; 302:44-50.
59. Zhao D, **Wu W (co-first author)**, Xu B, Niu X, Cui H, Zhang Y, Wang Z, Wang X. Variants in the SRD5A2 gene are associated with quality of semen. **Mol Med Report**. 2012; 6:639-44.
60. **Wu W**, Hu Z, Qin Y, Dong J, Dai J, Lu C, Zhang W, Shen H, Xia Y, Wang X. Seminal plasma microRNAs: potential biomarkers for spermatogenesis status. **Mol Hum Reprod**. 2012; 18:489-97.

61. **Wu W**, Cai H, Sun H, Lu J, Zhao D, Qin Y, Han X, Niu X, Lu C, Xia Y, Wang S, De Moor B, Marchal K, Wang X. Follicle stimulating hormone receptor G-29A, 919A>G, 2039A>G polymorphism and the risk of male infertility: A meta-analysis. **Gene**. 2012; 505:388-92.
62. Qin Y, Xia Y, **Wu W**, Han X, Lu C, Ji G, Chen D, Wang H, Song L, Wang S, Wang X. Genetic variants in microRNA biogenesis pathway genes are associated with semen quality in a Han-Chinese population. **Reprod Biomed Online**. 2012; 24:454-61.
63. Shen O, Liu R, **Wu W (co-first author)**, Yu L, Wang X. Association of the methylenetetrahydrofolate reductase gene A1298C polymorphism with male infertility: a meta-analysis. **Ann Hum Genet**. 2012; 76:25-32.
64. Lu C, Zhang F, Yang H, Xu M, Du G, **Wu W**, An Y, Qin Y, Ji G, Han X, Gu A, Xia Y, Song L, Wang S, Jin L, Wang X. Additional genomic duplications in AZFc underlie the b2/b3 deletion-associated risk of spermatogenic impairment in Han Chinese population. **Hum Mol Genet**. 2011; 20:4411-21.
65. Shen O, **Wu W (co-first author)**, Du G, Liu R, Yu L, Sun H, Han X, Jiang Y, Shi W, Hu W, Song L, Xia Y, Wang S, Wang X. Thyroid Disruption by Di-n-Butyl Phthalate (DBP) and Mono-n-Butyl Phthalate (MBP) in *Xenopus laevis*. **PLoS One**. 2011; 6:e19159.
66. **Wu W**, Shen O, Qin Y, Lu J, Niu X, Zhou Z, Lu C, Xia Y, Song L, Wang S, Wang X. Methylenetetrahydrofolate reductase C677T polymorphism and the risk of male infertility: a meta-analysis. **Int J Androl**. 2012; 35:18-24.
67. **Wu W**, Shen O, Qin Y, Niu X, Lu C, Xia Y, Song L, Wang S, Wang X. Idiopathic Male Infertility Is Strongly Associated with Aberrant Promoter Methylation of Methylenetetrahydrofolate Reductase (MTHFR). **PLoS One**. 2010; 5: e13884.
68. **Wu W**, Lu C, Xia Y, Shen O, Ji G, Gu A, Song L, Wang X. Lack of association between DAZ gene methylation patterns and spermatogenic failure. **Clin Chem Lab Med**. 2010; 48: 355-60.
69. Shen O, Du G, Sun H, **Wu W**, Jiang Y, Song L, Wang X. Comparison of in vitro hormone activities of selected phthalates using reporter gene assays. **Toxicol Lett**. 2009; 191: 9-14.
70. Lu C, Zhang J, Li Y, Xia Y, Zhang F, Wu B, **Wu W**, Ji G, Gu A, Wang S, Jin L, Wang X. The b2/b3 subdeletion shows higher risk of spermatogenic failure and higher frequency of complete AZFc deletion than the gr/gr subdeletion in a Chinese population. **Hum Mol Genet**. 2009; 18:1122-30.