



华中科技大学

同济医学院生殖健康研究所

INSTITUTE OF REPRODUCTIVE HEALTH, TONGJI MEDICAL COLLEGE

开拓创新 · 开放联合



(../index.htm)

首页 (../index.htm) > 师资队伍 (../szdw.htm) > 教授 (../szdw/js.htm) > 正文

## 师资队伍

### 熊承良

来源: 计划生育研究所 日期: 2015-01-11 浏览次数: 14790

双聘院士

(../szdw/spys.htm)

客座教授

(../szdw/kjs.htm)

副教授

(../szdw/js1.htm)

博士后

(../szdw/bsh.htm)

诚聘英才

(../szdw/cpyc.htm)

**熊承良** 现任华中科技大学二级教授、博士生导师、同济医学院计划生育研究所原所长、武汉同济生殖医学专科医院院长、湖北省人口和计划生育科研所所长、湖北省精子库主任、同济医学院生殖医学中心主任、国家生殖健康与不孕不育药物临床研究机构主任、武汉市避孕节育工程技术研究中心主任、避孕节育湖北省工程实验室主任。

**社会兼职**：十五届农工中央委员、中国农工党湖北省委副主委、湖北省第十二届人大常委会。中华医学会计划生育学会候任主任委员、中国性学会常务理事、湖北省性学会理事长、湖北省医学会计划生育学会主任委员，湖北省生育调节学会副会长、湖北省男科学会副主任委员，湖北省生殖医学会副主任委员。第四届国家计划生育委员会科技专家委员会委员，是上海市、重庆市、山东省计划生育部省级重点实验室学术委员会委员、是《中华男科学杂志》编委、《中国计划生育杂志》常务编委、《生殖医学杂志》编委、《华中科技大学学报医学版》编委、《国际生殖健康/计划生育杂志社》常务编委、《中国计划生育和妇产科》常务编委、《Asian Journal of Andrology》编委。

**学术经历**：曾于1996年和2005年分别在耶鲁大学医学院和牛津大学生理学系做短期访问学者。

**学术成果**：在国内外有影响的期刊上发表论文200多篇。获国家发明专利5项。主编国家“十一五”规划教材等十几部大型专著，曾获中华医学科技奖、湖北省科技进步二等奖、武汉市科技进步奖、中国图书奖等多项奖项。

**研究方向**：1. 精子发生的调控 2. 老年生殖健康 3. 干细胞在不孕症中的应用

**承担项目**：主持国家自然科学基金3项、国家十五攻关课题、“十一五”、“十二五”科技支撑计划项目、教育部博士点基金等多项国家级和省市科研项目。主持和参与世界卫生组织多中心项目、欧盟项目、国家863项目。

**代表论文和著作**：

- Hu Z, Li Z, Yu J, Tong C, Lin Y, Guo X, Lu F, Dong J, Xia Y, Wen Y, Wu H, Li H, Zhu Y, Ping P, Chen X, Dai J, Jiang Y, Pan S, Xu P, Luo K, Du Q, Yao B, Liang M, Gui Y, Weng N, Lu H, Wang Z, Zhang F, Zhu X, Yang X, Zhang Z, Zhao H, **Xiong C**, Ma H, Jin G, Chen F, Xu J, Wang X, Zhou Z, Chen ZJ, Liu J, Shen H, Sha J. Association analysis identifies new risk loci for non-obstructive azoospermia in Chinese men. Nat Commun. 2014 May 23;5:3857. doi: 10.1038/ncomms4857.
- Kong XB, Guan HT, Li HG, Zhou Y, **Xiong CL**. The ageing males' symptoms scale for Chinese men: reliability, validation and applicability of the Chinese version. Andrology. 2014 Jul 29. doi: 10.1111/j.2047-2927.2013.00145.x.
- Yang RF, Liu TH, Zhao K, **Xiong CL**. Enhancement of mouse germ cell-associated genes expression by injection of human umbilical cord mesenchymal stem cells into the testis of chemical-induced azoospermic mice. Asian J Androl. 2014 May 13. doi: 10.4103/1008-682X.129209.
- Li J, Yang J, Cheng D, Shen SL, **Xiong CL**. New clues to identify proteins correlated with Attractin. Andrologia. 2014 Sep;46(7):796-804. doi: 10.1111/and.12151. Epub 2013 Sep 3.
- Wang XN, Li ZS, Ren Y, Jiang T, Wang YQ, Chen M, Zhang J, Hao JX, Wang YB, Sha RN, Huang Y, Liu X, Hu JC, Sun GQ, Li HG, **Xiong CL**, Xie J, Jiang ZM, Cai ZM, Wang J, Wang J, Huff V, Gui YT, Gao F. The Wilms tumor gene, Wt1, is critical for mouse spermatogenesis via regulation of sertoli cell polarity and is associated with non-obstructive azoospermia in humans. PLoS Genet. 2013;9(8):e1003645. doi: 10.1371/journal.pgen.1003645. Epub 2013 Aug 1.
- Zhang WJ, Li F, Wang YH, Simayi D, Saimaiti A, Zou XG, **Xiong CL**, Gong FL, Cao YG. The case for semi-mandatory HPV vaccination in China. Nat Biotechnol. 2013 Jul;31(7):590-1. doi: 10.1038/nbt.2631.
- Tu L, Li H, Zhang H, Li X, Lin J, **Xiong C**. Birth defects data from surveillance hospitals in hubei province, china, 2001 - 2008. Iran J Public Health. 2012;41(3):20-5. Epub 2012 Mar 31.
- Tu LH, Yu LL, **Xiong CL**, Zhang HP. Potential role of prokineticin 2 in experimental varicocele-induced rat testes. Urology. 2012 Oct;80(4):952.e15-9. doi: 10.1016/j.urology.2012.05.033. Epub 2012 Jul 26.
- Li HG, Huang SY, Guo CC, Gan HT, **Xiong CL\*(Corresponding author)**. Cell-free seminal mRNA and microRNA exist in different form. PLoS One. 7(4):e34566, 2012.
- Li H, Wu C, Gu X, **Xiong C\*(Corresponding author)**. A novel application of cell-free seminal mRNA: non-invasive identification of the presence of germ cells or complete obstruction in men with azoospermia. Hum Reprod. 27(4):991-997, 2012.
- Li H, Ding X, Guo C, Guan H, **Xiong C\*(Corresponding author)**. Immunization of male mice with B-cell epitopes in transmembrane domains of CatSper1 inhibits fertility. Fertil Steril. 97(2):445-452, 2012.
- Hu Z, Xia Y, Guo X, Dai J, Li H, Hu H, Jiang Y, Lu F, Wu Y, Yang X, Li H, Yao B, Lu C, **Xiong C**, Li Z, Gui Y, Liu J, Zhou Z, Shen H, Wang X, Sha J. A genome-wide association study in Chinese men identifies three risk loci for non-obstructive azoospermia. Nat Genet. 2011 Dec 25;44(2):183-6. doi: 10.1038/ng.1040.
- Yuanzhong ZHOU, Jinwen XIONG, Jie LI, Shiyun HUANG, Xuejun SHANG, Guohui LIU, Meimei ZHANG, Pin YIN, Sheng WEI, **Chengliang XIONG\*(Corresponding author)**. Urgent need for contraceptive education and services in Chinese unmarried undergraduates: A multi-campus survey. J Huazhong Univ Sci Technol[Med Sci]. 31(4):426-432, 2011.
- Hu Z, Xia Y, Guo X, Dai J, Li H, Hu H, Jiang Y, Lu F, Wu Y, Yang X, Li H, Yao B, Lu C, **Xiong C**, Li Z, Gui Y, Liu J, Zhou Z, Shen H\*, Wang X\*, Sha J\*. A genome-wide association study in Chinese men identifies three risk loci for non-obstructive azoospermia. Nat Genet. 44(2):183-186, 2011.
- Hu L, Liao AH, Song S, Xiao N, Xiang WP, Xiong CL. Evaluation of donor semen quality provided by six sperm banks: a retrospective study of 1877 artificial insemination cycles. Andrologia. 2012 May;44 Suppl 1:499-504. doi: 10.1111/j.1439-0272.2011.01215.x. Epub 2011 Sep 26.
- Xiang WP, Wen ZN, Pang WJ, Hu L, **Xiong CL**, Zhang Y\*. CR16 forms a complex with N-WASP in the human testes. Cell Tissue Res. 344(3):519-526, 2011.
- Zhang L, Liang Y, Liu Y, **Xiong CL\*(Corresponding author)**. The role of brain-derived neurotrophic factor in mouse oocyte maturation in vitro involves activation of protein kinase B. Theriogenology. 73(8):1096-1103, 2010.
- Zhang L, Li J, Su P, **Xiong C\*(Corresponding author)**. The role of brain-derived neurotrophic factor in mouse oocyte maturation in vitro. J Huazhong Univ Sci Technol [Med Sci]. 30(6):781-785, 2010.
- Gu Y, Liang X, Wu W, Liu M, Song S, Cheng L, Bo L, **Xiong C**, Wang X, Liu X, Peng L, Yao K. Multicenter contraceptive efficacy trial of injectable testosterone undecanoate in Chinese men. J Clin Endocrinol Metab. 2009, 94(6):1910-5.
- Li HG, Huang SY, Zhou H, Liao AH, **Xiong CL (Corresponding author)**. Quick recovery and characterization of cell-free DNA in seminal plasma of normozoospermia and azoospermia: implications for non-invasive genetic utilities. Asian J Androl. 2009, 11(6):703-9.



21. Li HG, Huang SY, Zhou H, Liao AH, **Xiong CL**. Quick recovery and characterization of cell-free DNA in seminal plasma of normozoospermia and azoospermia: implications for non-invasive genetic utilities. *Asian J Androl*. 2009 Nov;11(6):703-9. doi: 10.1038/aja.2009.65. Epub 2009 Oct 12.
22. Kong XB, Ma HG, Li HG, **Xiong CL**. Blockade of epithelial sodium channels improves sperm motility in asthenospermia patients. *Int J Androl*. 2009 Aug;32(4):330-6. doi: 10.1111/j.1365-2605.2008.00864.x. Epub 2008 Feb 21.
23. Huang DH, Zhao H, Tian YH, Li HG, Ding XF, **Xiong CL**. Gene expression changes of urokinase plasminogen activator and urokinase receptor in rat testes at postnatal stages. *Asian J Androl*. 2007 Sep;9(5):679-83.
24. Tian YH, **Xiong CL**, Wan H, Huang DH, Guan HT, Ding XF, Shang XJ. Inhibition of the urokinase-type plasminogen activator by triplex-forming oligonucleotides in rat Sertoli cells: a new contraceptive alternative? *Oligonucleotides*. 2007 Summer;17(2):174-88.
25. Li HG, Ding XF, Liao AH, Kong XB, **Xiong CL**. Expression of CatSper family transcripts in the mouse testis during post-natal development and human ejaculated spermatozoa: relationship to sperm motility. *Mol Hum Reprod*. 2007 May;13(5):299-306. Epub 2007 Mar 8.
26. Tian YH, Xiong JW, Hu L, Huang DH, **Xiong CL**. *Candida albicans* and filtrates interfere with human spermatozoal motility and alter the ultrastructure of spermatozoa: an in vitro study. *Int J Androl*. 2007 Oct;30(5):421-9. Epub 2007 Feb 12.
27. Tang YP, Liu XS, Liu Y, Yang ZR, Chen Y, **Xiong CL**. Somatic cell and sperm cell cytogenetics in a patient with t(14; 21). *Yi Chuan Xue Bao*. 2006 Jun;33(6):488-94.
28. Li HG, Liao AH, Ding XF, Zhou H, **Xiong CL**. The expression and significance of CATSPER1 in human testis and ejaculated spermatozoa. *Asian J Androl*. 2006 May;8(3):301-6.
29. Zheng F, Zhou X, Zhang YZ, Sun XB, Peng JH, Wang CH, **Xiong CL**, Li X. Rapid prenatal diagnosis of trisomy 21 by fluorescent quantitative multiplex polymerase chain reaction. *Chin Med J (Engl)*. 2006 Mar 20;119(6):514-7.
30. Liao AH, Han XJ, Wu SY, Xiao DZh, **Xiong CL**, Wu XR. Randomized, double-blind, controlled trial of mifepristone in capsule versus tablet form followed by misoprostol for early medical abortion. *Eur J Obstet Gynecol Reprod Biol*. 2004 Oct 15;116(2):211-6.
31. Huang XB, **Xiong CL**, Yu CG, Zhou JL, Shen JY. Effect of sildenafil citrate on penile erection of rhesus macaques. *Asian J Androl*. 2004 Sep;6(3):233-5.
32. Shang XJ, Huang YF, **Xiong CL**, Xu JP, Yin L, Wan CC. Ureaplasma urealyticum infection and apoptosis of spermatogenic cells. *Asian J Androl*. 1999 Sep;1(3):127-9.
33. Xiong Z ([http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20Z%5BAuthor%5D&cauthor=true&cauthor\\_uid=23640176](http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=23640176))<sup>1</sup>, Liu Y ([http://www.ncbi.nlm.nih.gov/pubmed?term=Liu%20Y%5BAuthor%5D&cauthor=true&cauthor\\_uid=23640176](http://www.ncbi.nlm.nih.gov/pubmed?term=Liu%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=23640176)), Hu L ([http://www.ncbi.nlm.nih.gov/pubmed?term=Hu%20L%5BAuthor%5D&cauthor=true&cauthor\\_uid=23640176](http://www.ncbi.nlm.nih.gov/pubmed?term=Hu%20L%5BAuthor%5D&cauthor=true&cauthor_uid=23640176)), Ma B ([http://www.ncbi.nlm.nih.gov/pubmed?term=Ma%20B%5BAuthor%5D&cauthor=true&cauthor\\_uid=23640176](http://www.ncbi.nlm.nih.gov/pubmed?term=Ma%20B%5BAuthor%5D&cauthor=true&cauthor_uid=23640176)), Ai Y ([http://www.ncbi.nlm.nih.gov/pubmed?term=Ai%20Y%5BAuthor%5D&cauthor=true&cauthor\\_uid=23640176](http://www.ncbi.nlm.nih.gov/pubmed?term=Ai%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=23640176)), Xiong C ([http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20C%5BAuthor%5D&cauthor=true&cauthor\\_uid=23640176](http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20C%5BAuthor%5D&cauthor=true&cauthor_uid=23640176)). A rapid facilitation of acid-sensing ion channels current by corticosterone in cultured hippocampal neurons. *Neurochem Res*. (<http://www.ncbi.nlm.nih.gov/pubmed/23640176>) 2013 Jul;38(7):1446-53. doi: 10.1007/s11064-013-1045-9. Epub 2013 May 3.
34. Zhang X ([http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20X%5BAuthor%5D&cauthor=true&cauthor\\_uid=22404132](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20X%5BAuthor%5D&cauthor=true&cauthor_uid=22404132))<sup>1</sup>, Zhou Y ([http://www.ncbi.nlm.nih.gov/pubmed?term=Zhou%20Y%5BAuthor%5D&cauthor=true&cauthor\\_uid=22404132](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhou%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=22404132)), Xia W ([http://www.ncbi.nlm.nih.gov/pubmed?term=Xia%20W%5BAuthor%5D&cauthor=true&cauthor\\_uid=22404132](http://www.ncbi.nlm.nih.gov/pubmed?term=Xia%20W%5BAuthor%5D&cauthor=true&cauthor_uid=22404132)), Wu H ([http://www.ncbi.nlm.nih.gov/pubmed?term=Wu%20H%5BAuthor%5D&cauthor=true&cauthor\\_uid=22404132](http://www.ncbi.nlm.nih.gov/pubmed?term=Wu%20H%5BAuthor%5D&cauthor=true&cauthor_uid=22404132)), Yao K ([http://www.ncbi.nlm.nih.gov/pubmed?term=Yao%20K%5BAuthor%5D&cauthor=true&cauthor\\_uid=22404132](http://www.ncbi.nlm.nih.gov/pubmed?term=Yao%20K%5BAuthor%5D&cauthor=true&cauthor_uid=22404132)), Liu H ([http://www.ncbi.nlm.nih.gov/pubmed?term=Liu%20H%5BAuthor%5D&cauthor=true&cauthor\\_uid=22404132](http://www.ncbi.nlm.nih.gov/pubmed?term=Liu%20H%5BAuthor%5D&cauthor=true&cauthor_uid=22404132)), Xiong C ([http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20C%5BAuthor%5D&cauthor=true&cauthor\\_uid=22404132](http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20C%5BAuthor%5D&cauthor=true&cauthor_uid=22404132)). Effect of pre-freezing conditions on the progressive motility recovery rate of human frozen spermatozoa. *Andrologia*. (<http://www.ncbi.nlm.nih.gov/pubmed?term=effect%20of%20pre-freezing%20conditions%20on%20the%20progressive%20motility%20recovery%20rate>) 2012 Oct;44(5):343-8. doi: 10.1111/j.1439-0272.2012.01289.x. Epub 2012 Mar 10.
35. Wu C ([http://www.ncbi.nlm.nih.gov/pubmed?term=Wu%20C%5BAuthor%5D&cauthor=true&cauthor\\_uid=23622456](http://www.ncbi.nlm.nih.gov/pubmed?term=Wu%20C%5BAuthor%5D&cauthor=true&cauthor_uid=23622456))<sup>1</sup>, Ding X ([http://www.ncbi.nlm.nih.gov/pubmed?term=Ding%20X%5BAuthor%5D&cauthor=true&cauthor\\_uid=23622456](http://www.ncbi.nlm.nih.gov/pubmed?term=Ding%20X%5BAuthor%5D&cauthor=true&cauthor_uid=23622456)), Li H ([http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20H%5BAuthor%5D&cauthor=true&cauthor\\_uid=23622456](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20H%5BAuthor%5D&cauthor=true&cauthor_uid=23622456)), Zhu C ([http://www.ncbi.nlm.nih.gov/pubmed?term=Zhu%20C%5BAuthor%5D&cauthor=true&cauthor\\_uid=23622456](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhu%20C%5BAuthor%5D&cauthor=true&cauthor_uid=23622456)), Xiong C ([http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20C%5BAuthor%5D&cauthor=true&cauthor\\_uid=23622456](http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20C%5BAuthor%5D&cauthor=true&cauthor_uid=23622456)). Genome-wide promoter methylation profile of human testis and epididymis: identified from cell-free seminal DNA. *BMC Genomics*. (<http://www.ncbi.nlm.nih.gov/pubmed/23622456>) 2013 Apr 28;14:288. doi: 10.1186/1471-2164-14-288.
36. Hu L ([http://www.ncbi.nlm.nih.gov/pubmed?term=Hu%20L%5BAuthor%5D&cauthor=true&cauthor\\_uid=24275253](http://www.ncbi.nlm.nih.gov/pubmed?term=Hu%20L%5BAuthor%5D&cauthor=true&cauthor_uid=24275253))<sup>1</sup>, Wu C ([http://www.ncbi.nlm.nih.gov/pubmed?term=Wu%20C%5BAuthor%5D&cauthor=true&cauthor\\_uid=24275253](http://www.ncbi.nlm.nih.gov/pubmed?term=Wu%20C%5BAuthor%5D&cauthor=true&cauthor_uid=24275253))<sup>2</sup>, Guo C ([http://www.ncbi.nlm.nih.gov/pubmed?term=Guo%20C%5BAuthor%5D&cauthor=true&cauthor\\_uid=24275253](http://www.ncbi.nlm.nih.gov/pubmed?term=Guo%20C%5BAuthor%5D&cauthor=true&cauthor_uid=24275253))<sup>2</sup>, Li H ([http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20H%5BAuthor%5D&cauthor=true&cauthor\\_uid=24275253](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20H%5BAuthor%5D&cauthor=true&cauthor_uid=24275253))<sup>3</sup>, **Xiong C** ([http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20C%5BAuthor%5D&cauthor=true&cauthor\\_uid=24275253](http://www.ncbi.nlm.nih.gov/pubmed?term=Xiong%20C%5BAuthor%5D&cauthor=true&cauthor_uid=24275253))<sup>1</sup>. Identification of microRNAs predominately derived from testis and epididymis in human seminal plasma. *Clin Biochem*. (<http://www.ncbi.nlm.nih.gov/pubmed/24275253>) 2014 Jul;47(10-11):967-72
37. Zhang HP, Li CL, Lu P, Zheng JC, Yu LL, Yang WM, **Xiong F**, Zeng XY. The function of P2X3 receptor and NK1 receptor antagonists on cyclophosphamide-induced cystitis in rats. (<http://www.ncbi.nlm.nih.gov/pubmed/23666265>) *World J Urol*. 2014 Feb;32(1):91-7
38. Cheng D, **Xiong C**, Li J, Sui C, Wang S, Li H, Jiang X. The effect of mahogunin gene mutant on reproduction in male mice: a new sight for infertility? (<http://www.ncbi.nlm.nih.gov/pubmed/23210986>) *Andrologia*. 2014 Mar;46(2):98-10
39. Peng X, Hu S, Meng T, Suo J, **Xiong C**. The antifertility effectiveness of a novel copper-containing composite used in intrauterine contraceptive devices and the releasing behavior of cupric ions contained in the composite in rats. (<http://www.ncbi.nlm.nih.gov/pubmed/22445435>) *Contraception*. 2012 Oct;86(4):413-8.
40. Li H, Ding X, Guo C, Guan H, **Xiong C**. Immunization of male mice with B-cell epitopes in transmembrane domains of CatSper1 inhibits fertility (<http://www.ncbi.nlm.nih.gov/pubmed/22196715>) *Fertil Steril*. 2012 Feb;97(2):445-52.
41. Li J, Wang S, Huang S, Cheng D, Shen S, **Xiong C**. Attractin gene deficiency contributes to testis vacuolization and sperm dysfunction in male mice. *J Huazhong Univ Sci Technolog Med Sci*. 2009 Dec;29(6):750-4
42. Huang S, Li H, Ding X, **Xiong C**. Presence and characterization of cell-free seminal RNA in healthy individuals: implications for noninvasive disease diagnosis and gene expression studies of the male reproductive system. (<http://www.ncbi.nlm.nih.gov/pubmed/19745059>) *Clin Chem*. 2009 Nov;55(11):1967-76
43. Li H, Ding X, Guan H, **Xiong C**. Inhibition of human sperm function and mouse fertilization in vitro by an antibody against cation channel of sperm 1: the contraceptive potential of its transmembrane domains and pore region. (<http://www.ncbi.nlm.nih.gov/pubmed/18976756>) *Fertil Steril*. 2009 Sep;92(3):1141-6

