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**研究方向：**动物生殖调控、动物配子生物学和胚胎工程



**个人简介：**本科（2010年）和博士研究生（2015年）毕业于南京农业大学动物科技学院。

**科研项目：**参与国家自然科学基金《代谢谱与山羊克隆胚胎及其供体细胞发育潜能相关性研究》、《山羊早期卵泡和克隆胚胎发育中抗氧化机制的研究》和《长链非编码 RNA 调控山羊体细胞核移植胚胎合子基因激活期重编程的研究》等项目。

**荣誉奖项：**

**发明专利：**《一种现代化环保繁殖羊舍》

**近年代表性论著：**

**（1）发表论文**

[1] Zhang GM, Deng MT, Zhang YL, Fan YX, Wan YJ, Nie HT, Wang ZY, Wang F, Lei ZH. Effect of PGC-1alpha overexpression or silencing on mitochondrial apoptosis of goat luteinized granulosa cells [J]. J Bioenerg Biomembr, 2016, 48(5): 493-507

[2] Zhang GM, Wan YJ, Zhang YL, Lan S, Jia RX, Wang ZY, Fan YX, Wang F. Expression of Mitochondria-Associated Genes (PPARGC1A, NRF-1, BCL-2 and BAX) in Follicular Development and Atresia of Goat Ovaries [J]. Reprod Domest Anim, 2015, 50(3): 465-473

[3] Zhang GM, Gu CH, Zhang YL, Sun HY, Qian WP, Zhou ZR, Wan YJ, Jia RX,

Wang LZ, Wang F. Age-associated changes in gene expression of goat oocytes [J]. *Theriogenology*, 2013, 80(4): 328-336

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[5] Zhang GM, Lan S, Jia RX, Yan GY, Wang LZ, Nie HT, Lei ZH, Wang F. Age-associated and tissue-specific expression of osteopontin in male Hu sheep reproductive tract [J]. *Tissue Cell*, 2016, 48(5): 496-502

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[9] Zhang H, Sun LW, Wang ZY, Deng MT, Nie HT, Zhang GM, Ma TW, Wang F. N-carbamylglutamate and L-arginine improved maternal and placental development in underfed ewes [J]. *Reproduction*, 2016, 151(6): 623-635

[10] Li PZ, Yan GY, Han L, Pang J, Zhong BS, Zhang GM, Wang F, Zhang YL. Overexpression of STRA8, BOULE, and DAZL Genes Promotes Goat Bone Marrow-Derived Mesenchymal Stem Cells In Vitro Transdifferentiation Toward Putative Male Germ Cells [J]. *Reprod Sci*, 2017, 24(2): 300-312

## (2) 参编著作

[1] 黄明睿、王锋主编，张国敏副主编，肉羊标准化高效养殖关键技术，江苏凤凰科学技术出版社，2016年；

[2] 黄明睿、王锋主编，张国敏参编，肉用山羊养殖与疾病防治新技术，中国农业科学技术出版社，2015年；

[3] 王锋主编，张国敏参编，羊业科学研究进展（2015），中国农业科学技术出版社，2015年。