


CURRICULUM VITAE

Personal Information			
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Research Interest
<ol style="list-style-type: none"> Genetic improvement of Chinese indigenous chicken varieties and breeding of commercial crosslines. To meet the niche markets in China, the pure-lines carrying kinship of some Chinese indigenous chicken varieties were bred to improve their egg and meat performances and the crosslines were combined by using them for commercial production. Research and development of the feeding and management procedures for free range chicken. By using above mentioned crosslines and the free range, the feeding and management procedures considering animal welfare and ecological harmony are studied, assembled and extended. Egg production and chicken follicle development. To understand the mechanisms of high egg production in chicken, the follicle development focus on follicle selection and ovulation was studied at cell and molecular level to excavate the gene regulatory networks.

Education & Working Experience
<p>Education:</p> <p>Sept. 1982 ~ July 1986, Bachelor majored in Animal Science, Department of Animal Science & Veterinary Medicine, Huazhong Agricultural University</p> <p>Sept. 1986 ~ July 1989, Master majored in Animal Genetics & Breeding, College of Animal Science & Veterinary Medicine, Huazhong Agricultural University</p> <p>Sept. 1994 ~ June 1997, Ph.D. majored in Animal Genetics & Breeding, College of Animal Science & Technology, China(Beijing) Agricultural University</p> <p>Work History:</p> <p>Nov. 2002 ~ present, Professor in college of Animal Science & Technology, Huazhong Agricultural University.</p> <p>Mar. 2001 ~ Nov. 2002, Associate Professor in College of Animal Science & Technology, Huazhong Agricultural University.</p> <p>Mar. 2000 ~ Mar. 2001, Visiting Scientist in Danish Institute of Agricultural Science, Department of animal breeding and genetics (currently, Department of molecular biology and genetics, Aarhus University)</p> <p>April 1999 ~ Mar. 2000, Associate Professor in College of Animal Science & Veterinary Medicine, Huazhong Agricultural University.</p> <p>Oct. 1998 ~ Mar. 1999, Visiting Scientist(Consultant) in FAO Headquarter (Rome), Department of Agriculture, Group of animal genetic resources.</p> <p>Oct. 1997 ~ Oct. 1998, Associate Professor in College of Animal Science & Veterinary Medicine, Huazhong</p>

Agricultural University.

Jan. 1993 ~ Oct. 1997, Lecturer in College of Animal Science & Veterinary Medicine, Huazhong Agricultural University.

July 1989 ~ Dec. 1992, Teaching assistance in College of Animal Science & Veterinary Medicine, Huazhong Agricultural University.

Publications

1. Wei Luo; Lantao Gu; Jinqiu Li^{1,3}; **Yanzhang Gong***, Transcriptome sequencing revealed that knocking down FOXL2 affected cell proliferation, the cell cycle, and DNA replication in chicken pre-ovulatory follicle cells. *PLOS ONE* 2020, 15(7). e0234795
2. Yabo Zhao; Yali Fu; Mengyun Zou; Yingfei Sun; Xun Yi; Lumeng Niu; **Yanzhang Gong***; Xiuli Peng*, Analysis of deep sequencing exosome-microRNA expression profile derived from CP-II reveals potential role of ggamiRNA- 451 in inflammation. *J Cell Mol Med.*, 2020, 24: 6178-6190.
3. Xiuxue Dong; Bing Hu; Wenlong Wan; **Yanzhang Gong***; Yanping Feng*, Effects of husbandry systems and Chinese indigenous chicken strain on cecum microbial diversity. *Asian-Australas J Anim S*, 2020, 33(10): 1610-1616
4. Yu, Xiaofan; Yuan, Yangyang; Qiao, Lingyun; **Gong, Yanzhang**; Feng, Yanping* The Sertoli cell marker FOXD1 regulates testis development and function in the chicken. *Reproduction, Fertility and Development*, 2019, 31(5): 867-874.
5. Jinqiu Li; Wei Luo; Tao Huang; **Yanzhang Gong***, Growth differentiation factor 9 promotes follicle-stimulating hormone-induced progesterone production in chicken follicular granulosa cells. *General and Comparative Endocrinology*, 2019, 276: 69-76.
6. Huang Tao; Ma Jun; **Gong Yanzhang***; Feng Yanping*, Polymorphisms in the ovoinhibitor gene (OIH) and their association with egg quality of Xinhua E-strain chickens. *British Poultry Science*, 2019,
7. Huang Tao; Cheng Shengqi; Feng Yanping; Sheng Zheya; **Gong Yanzhang***, A copy number variation generated by complicated organization of PCDHA gene cluster is associated with egg performance traits in Xinhua E-strain. *Poultry Science*, 2018, 97(10): 3435-3445
8. Jing Ruoxi; Lantao Gu; Jinqiu Li; **Gong Yanzhang**, A transcriptomic comparison of theca and granulosa cells in chicken and cattle follicles reveals ESR2 as a potential regulator of CYP19A1 expression in the theca cells of chicken follicles. *Comp Biochem Physiol Part D Genomics & Proteomics.*, 2018, 27: 40-53.
9. Wang Jing; **Gong Yanzhang***, Transcription of CYP19A1 is directly regulated by SF-1 in the theca cells of ovary follicles in chicken. *Gen Comp Endocrinol.*, 2017, 247: 1-7.
10. Wang, Jing; Zhao, Chengcheng; Li, Jinqiu; Feng, Yanping; **Gong, Yanzhang***, Transcriptome analysis of the potential roles of FOXL2 in chicken pre-hierarchical and pre-ovulatory granulosa cells. *Comparative Biochemistry and Physiology, Part D*, 2017, 21: 56-66.
11. Miao Nan; Wang Xin; Feng Yanping; **Gong Yanzhang***, Male-biased miR-92 from early chicken embryonic gonads directly targets ATRX and DDX3X. *Gene*, 2017, 626: 326-336
12. Pu, Yuejin; Wu, Yan; Xu, Xiaojuan; Du, Jinping; **Gong, Yanzhang***, Association of VIPR-1 gene polymorphisms and haplotypes with egg production in laying quails. *Journal of Zhejiang University-Science B*, 2016, 17(8): 591-596.
13. Miao, Nan; Wang, Xin; Hou, Yue; Feng, Yanping*; **Gong, Yanzhang***, Identification of male-biased microRNA-107 as a direct regulator for nuclear receptor subfamily 5 group A member 1 based on sexually dimorphic microRNA expression profiling from chicken embryonic gonads. *Molecular and Cellular Endocrinology*, 2016, 429(C): 29-40.

