

CURRICULUM VITAE

| Personal Information | | | |  | |
|---|---|--------|------|---|--|
| Name | Zili Li | Gender | Male | | |
| Position Title | Professor | | | | |
| Working Department | Preventive Veterinary Medicine | | | | |
| Email | lizili@mail.hzau.edu.cn | | | | |
| Address | College of Veterinary Medicine, Huazhong Agricultural University, Wuhan, Hubei 430070, P.R. China | | | | |
| Tel | 13986022985 | Fax | | | |
| Research Interest | | | | | |
| <p>1. Animal mucosal immunity: MHC class I-related neonatal Fc receptor (FcRn) mediated mucosal immunity.</p> <p>2. Diagnosis and control of avian and swine Diseases, and the pathogenic mechanism and genetic engineering vaccine of <i>Riemerella Anatipestifer</i>.</p> | | | | | |
| Education & Working Experience | | | | | |
| Education: | | | | | |
| 1991, B. Sc., Veterinary Medicine, Huazhong Agricultural University, P.R. China | | | | | |
| 1997, M. Sc., Veterinary Microbiology and Immunology, Huazhong Agricultural University, P.R. China | | | | | |
| 2004, Ph. D, Animal Molecular Virology, Huazhong Agricultural University, P.R. China | | | | | |
| Professional experience: | | | | | |
| 2015---now Professor, Huazhong Agricultural University, Wuhan, P. R. China | | | | | |
| 2007-2009 Postdoctoral Fellow: Virginia-Maryland Regional College of Veterinary Medicine, University of Maryland, College Park. USA | | | | | |
| 2006-2007 Visiting scholar: Department of Molecular, Cellular and Craniofacial Biology, University of Louisville. USA | | | | | |
| 2004 Associate Professor: Huazhong Agricultural University, P.R. China | | | | | |
| 1998 Lecturer: Huazhong Agricultural University, P.R. China | | | | | |
| 1991 Assistant Researcher: Guangxi Veterinary Medicine Research Institute, P.R. China | | | | | |

Publications

1. Li Z, Palaniyandi S, Zeng R, Tuo W, Roopenian DC, Zhu X*. *From the Cover: Transfer of IgG in the female genital tract by MHC class I-related neonatal Fc receptor (FcRn) confers protective immunity to vaginal infection.* Proc Natl Acad Sci U S A. 2011 Mar 15;108(11):4388-93
2. Li C, Cao R, Qian S, Qiao C, Liu X, Zhou Z, **Li Z***, Clostridium butyricum CB1 up-regulates FcRn expression via activation of TLR2/4-NF-B signaling pathway in porcine small intestinal cells, Veterinary Immunology and Immunopathology, (2021), doi:<https://doi.org/10.1016/j.vetimm.2021.110317>
3. Qian S, Li C, Liu X, Jia X, Xiao Y, **Li Z***. Activation of the JNK/MAPK Signaling Pathway by TGF- β 1 Enhances Neonatal Fc Receptor Expression and IgG Transcytosis. Microorganisms. 2021; 9(4):879
4. Hu Z, Peng F, Xiong Z, Zhang W, Li T, Shi Y, Xie J, Jin X, Huang J, Xiao H, Bi D, Song N*, **Li Z***. Genetic and Molecular Characterization of H9N2 Avian Influenza Viruses Isolated from Live Poultry Markets in Hubei Province, Central China, 2013-2017. Virol Sin. 2021 Apr;36(2):291-299
5. Qian S, Gao Z, Cao R, Yang K, Cui Y, Li S, Meng X, He Q, **Li Z***. Transmissible Gastroenteritis Virus Infection Up-Regulates FcRn Expression via Nucleocapsid Protein and Secretion of TGF- β in Porcine Intestinal Epithelial Cells. Front. Microbiol., 2020 January 21, 10:3085
6. Qian S, Jia X, Gao Z, Zhang W, Xu Q, **Li Z***. Isolation and Identification of Porcine Deltacoronavirus and Alteration of Immunoglobulin Transport Receptors in the Intestinal Mucosa of PDCoV-Infected Piglets. *Viruses* **2020**, *12*, 79
7. Qian S, Zhang W, Jia X, Sun Z, Zhang Y, Xiao Y, **Li Z***. Isolation and Identification of Porcine Epidemic Diarrhea Virus and Its Effect on Host Natural Immune Response. Front. Microbiol. 2019 Oct 04, 10:2272
8. Wang Y, Zhang Y, Cui Y, Sun Z, Zhou Z, Hu S, Li S, Liu M, Meng X, Xiao Y, Shi D, Bi D, **Li Z***. Identification of An Integrase that Responsible for Precise Integration and Excision of *Riemerella anatipestifer* Genomic Island. Front. Microbiol., 2019 Sep 20;10:2099
9. Wang Y[†], Yin X[‡], Zhou Z, Hu S, Li S, Liu M, Wang X, Xiao Y, Shi D, Bi D, **Li Z***. Cas9 regulated gene expression and pathogenicity in *Riemerella anatipestifer*. Microb Pathog. 2019 Sep 3;136:103706
10. Wang Y, Lu T, Yin X, Zhou Z, Li S, Liu M, Hu S, Bi D, **Li Z***. A Novel RAYM_RS09735/RAYM_RS09740 Two-Component Signaling System Regulates Gene Expression and Virulence in *Riemerella anatipestifer*. Front. Microbiol., 2017 Apr 21;8:688
11. Guo J, Li F, Qian S, Bi D, He Q, Jin H, Luo R, Li S, Meng X, **Li Z***. TGEV infection up-regulates FcRn expression via activation of NF- κ B signaling. Sci Rep. 2016 Aug 24;6:32154
12. Guo J, Li F, He Q, Jin H, Liu M, Li S, Hu S, Xiao Y, Bi D*, **Li Z***. Neonatal Fc receptor-mediated IgG transport across porcine intestinal epithelial cells: potentially provide the mucosal protection. DNA Cell Biol. 2016,35(6):301-309
13. Zhou Z, Li X, Xiao Y, Wang X, Tian W, Peng X, Bi D, Sun M, **Li Z***. Gene expression responses to *Riemerella anatipestifer* infection in the liver of ducks. *Avian Pathology*. 2013 Apr;42(2):129-36
14. Zhou Z, Peng X, Xiao Y, Wang X, Guo Z, Zhu L, Liu M, Jin H, Bi D, **Li Z***, Sun M*. Genome Sequence of Poultry Pathogen *Riemerella anatipestifer* Strain RA-YM. Journal of Bacteriology, 2011, 193(5): 1284-1285
15. Zhou Z, Zheng J, Tian W, Li J, Zhang W, Zhang J, Meng X, Hu S, Bi D, **Li Z***. Identification of *Riemerella anatipestifer* genes differentially expressed in infected duck livers by the selective capture of transcribed sequences technique, Avian Pathology, 2009 Aug 38(4): 321-329
16. Ma Y, Ke C, Wan Z, **Li Z**, Cheng X, Wang X, Zhao J, Ma Y, Ren L, Han H, Zhao Y. Truncation of the Murine Neonatal Fc Receptor Cytoplasmic Tail Does Not Alter IgG Metabolism or Transport In Vivo. J Immunol. 2018 Feb 15;200(4):1413-1424