

Bai Xue

Associate Professor

Email: baixue2008851001@jlu.edu.cn



SHORT BIOGRAPHY:

Bai Xue obtained her B.Sc. and her M.S. in 2006 and 2008 respectively majoring Animal Science in Jilin University. In 2008, she did her Ph.D. with Prof. Liu mingyuan in “Key *Trichinella* Immunosuppressive Proteins and Their Mechanism of Action” in Institute of Zoonosis of Jilin University. In 2012, as a lecturer, she joined the Key Laboratory of Zoonoses Research, Ministry of Education, Institute of Zoonosis, Jilin University. In 2015, She as an associate professor worked in the same department, and research on the mechanism of *Trichinella spiralis* immune evade. In 2016, as member joined in OIE Collaborating Center for Food-borne Parasites in the Asian-Pacific Region and International Committee on Trichinellosis (ICT).

RESEARCH INTERESTS :

- Dr. Bai Xue research interests are focused on regulation and evasion of host immune response by parasitic helminths and serological diagnosis of foodborne parasite disease (Trichinellosis and Clonorchiasis). Additionally, she is also interested in exploring the function of extracellular vesicles of parasite in mediating immunity.

SELECTED PUBLICATIONS :

- Yong Yang¹, Lei Liu¹, Xiaolei Liu¹, YuanYuan Zhang, Haining Shi, Wanzhong Jia, HongFei Zhu, Hong Jia, Mingyuan Liu*, Xue Bai*, Extracellular Vesicles Derived from *Trichinella spiralis* Muscle Larvae Ameliorate TNBS-Induced Colitis in Mice, *Frontiers in Immunology*, 2020 Jun 11;11:1174.
- Xuemin Jin¹, Yong Yang¹, Xiaolei Liu¹, Haining, Shi, Xuepeng Cai, Xuenong Luo, Mingyuan Liu*, Xue Bai*, Glutathione-S-transferase of *Trichinella spiralis* regulates maturation and function of dendritic cells, *Parasitology*, 2019 Dec;146(14):1725-1732
- Ning Xu¹, Xiaolei Liu¹, Bin Tang, Libo Wang, HaiNing Shi, Pascal Boireau, Mingyuan Liu*, Xue Bai*, Recombinant *Trichinella pseudospiralis* serine protease inhibitors alter macrophage polarization *in vitro*, *Frontiers in Microbiology*, 2017 Sep 21;8:1834: 1-11
- Xue Bai¹, Xiaoxiang Hu¹, Xiaolei Liu, Bin Tang, Mingyuan Liu*. Current research of Trichinellosis in China, *Frontiers in Microbiology*, 2017 Aug 2;8:1472.
- Xue Bai¹, Xuelin Wang¹, Bin Tang, Haining Shi, Pascal Boireau, Benjamin Rosenthal, Xiuping Wu*, Mingyuan Liu*, Xiaolei Liu*, The roles of supernatant of macrophage treated by excretory-secretory products from muscle larvae of *Trichinella spiralis* on the differentiation of C2C12 myoblasts, *Veterinary parasitology*, 2016 Nov 15;231:83-91

AWARDS:

- 2014, Winner of the first prize of excellent postdoctoral in Jilin University
- 2015, The first prize of natural science in Jilin province