

CURRICULUM VITAE

PERSONAL:

Name : Zhixin Lei

Nationality: China

Date of Birth: 18/01/1991

Marital Status : Unmarried

Address: Department of Neuroscience
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EDUCATION

◆ **University of Minnesota, USA**

Postdoctoral associate, College of medicine, Department of neuroscience (12/2018-Now), Advisor: Wensheng Lin

Research Direction:

1.The role of NF- κ B against the inflammatory during EAE

◆ **University of Minnesota, USA**

Visitor, College of pharmacy (04/2018-12/2018), Advisor: Prof. Jayanth Panyam

Research Direction:

1.Overcoming Bacterial Resistance with Nanotechnology Challenges and Opportunities

◆ **Huazhong Agricultural University, China**

Ph.D. Scholar, Basic Veterinary Medicine (2015-2018)

Research Direction:

1. The resistance mechanism of *Haemophilus parasuis* to Macrolides
2. Pharmacokinetic-Pharmacodynamic modeling analysis
3. Pre-clinical safety evaluation, pharmacokinetic and residue depletion of new drug formulation

◆ **Huazhong Agricultural University, China**

Master of Veterinary Medicine (2013-2015)

Research Direction: “The Pharmacokinetic-Pharmacodynamic Modelling and Cut-off values of Tildipirosin against *Haemophilus parasuis*” (Chinese Agricultural Research Systems (CARS-35))

◆ **Huazhong Agricultural University, China**

Bachelor of Veterinary Medicine 2008-2013

Research Direction: “Clinical efficacy and residue depletion of 10% Enrofloxacin enteric-coated granules in pigs”

RESEARCH EXPERIENCE / PUBLICATIONS

(Total IF: Over 40, as the first author)

- **Zhixin Lei**, Qianying Liu, Bing Yang, *et al.* Evaluation of Bioequivalence of Two Long-Acting 20% Oxytetracycline Formulations in Pigs. *Frontiers in Veterinary Science*. 4:61, (2017).
- **Zhixin Lei**, Qianying Liu, Bing Yang, *et al.* Clinical Efficacy and Residue Depletion of 10% Enrofloxacin Enteric-Coated Granules in Pigs. *Frontiers in Pharmacology*. 8:294, (2017).
- **Zhixin Lei**, Shuling Fu, Bing Yang, *et al.* Comparative transcriptional profiling of tildipirosin-resistant and sensitive *Haemophilus parasuis*. *Scientific Reports*. 7(1):7517, (2017).
- **Zhixin Lei**, Qianying Liu, Jincheng Xiong, *et al.* Pharmacokinetic and Pharmacodynamic Evaluation of Marbofloxacin and PK/PD Modelling against *Escherichia coli* in Pigs. *Frontiers in Pharmacology*, 8:542, (2017).
- Qianying Liu#, **Zhixin Lei**#, *et al.* Mechanisms of the testis toxicity induced by chronic exposure to Mequindox. *Frontiers in pharmacology*. 8:679, (2017).
- **Zhixin Lei**, Qianying Liu, *et al.* The Pharmacokinetic-Pharmacodynamic Modeling and Cut-off values of Tildipirosin against *Haemophilus parasuis*. *Oncotarget*. 9:1673-1690, (2017).
- **Zhixin Lei**, Qianying Liu, *et al.* PK-PD Analysis of marbofloxacin against *Streptococcus suis* in pigs. *Frontiers in pharmacology*. 8:856, (2017).

- **Zhixin Lei**, Qianying Liu, *et al.* PK-PD Integration Modeling and Cutoff Value of Florfenicol against *Streptococcus Suis* in Pigs. *Frontiers in pharmacology*. doi: 10.3389/fphar.2018.00002, (2017).
- **Zhixin Lei**, Qianying Liu, *et al.* Evaluation of Marbofloxacin in beagle dogs after oral dosing: Preclinical safety evaluation and comparative pharmacokinetics of two different tablets. *Frontiers in pharmacology*. doi: 10.3389/fphar.2018.00306, (2018).
- **Zhixin Lei**, Qianying Liu, *et al.* Comparative pharmacokinetics and preliminary pharmacodynamics evaluation of Piscidin 1 against PRV and PEDV in rats. *Frontiers in Chemistry*, doi:10.3389/fchem.2018.00244, (2018).
- **Zhixin Lei**, Qianying Liu, *et al.* Optimal Regimens and Cut-off Evaluation of Tildipirosin against *Pasteurella Multocida*. *Frontiers in Pharmacology*, doi: 10.3389/fphar.2018.00765, (2018).
- Qianying Liu#, **Zhixin Lei**#, *et al.* N-O reduction and ROS-mediated AKT/FOXO1 and AKT/P53 pathways were involved in growth promotion and cytotoxicity of Cyadox. *Chem Res Toxicol*. doi: 10.1021/acs.chemrestox.8b00194, (2018).
- **Zhixin Lei**, Qianying Liu, *et al.* Resistant cutoff values and optimal scheme establishments for florfenicol against *Escherichia coli* with PK-PD modeling analysis in pigs. *J Vet Pharmacol Ther*. 2019 May;42(3):324-335. doi: 10.1111/jvp.12754.
- Qianying Liu#, **Zhixin Lei**#, *et al.* Mequindox induces apoptosis, DNA damage, and carcinogenicity in Wistar rats. *Food Chem Toxicol*. 2019 May;127:270-279. doi: 10.1016/j.fct.2019.03.025.
- **Others** (12 SCI, as the second author or above)

Website: <https://www.ncbi.nlm.nih.gov/pubmed/?term=zhixin+lei>

TRAINING & SKILLS

- Cell and Bacterium Culture
- Pharmacokinetic and Pharmacodynamic Operation and Analysis
- Proficient in Technical Operations including PCR, Q-PCR, Western Blot
- Laboratory Animal Experiments
- Transcriptomics Analysis
- Molecular biology Analysis
- IHC, IF, Confocal, EM

CONFERENCES/SEMINARS ATTENDED

- “The 8th Asian Pig Veterinary Society, APVS” organized by Huazhong Agricultural University, Wuhan, China, 2017.

LANGUAGES

Excellent fluency in

- Chinese
- English

Grants and Fellowship

- CAST scholarship (China Association for Science and Technology, 04-07, 2018) ¥ 50000
- Doctoral students national scholarship (Huazhong Agricultural University, 2017) ¥ 30000
- Excellent Ph.D. funding scholarship (Huazhong Agricultural University, 2018), ¥ 10000
- Huanchun funding scholarship (Huazhong Agricultural University, 2018) ¥ 1000
- Doctoral students national scholarship (Huazhong Agricultural University, 2018) ¥ 30000
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