



创新教育模式 培养一流人才



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在生物学一级学科招收博士、硕士研究生, 招生方向: 微生物学、动物医学、生物信息学

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1. 学习及工作经历

- 2005.09 - 2010.06 吉林大学 动物医学 本科
- 2013.09 - 2013.06 吉林大学 人兽共患病研究所 硕士
- 2013.09 - 2017.04 Iowa State University 兽医微生物 博士
- 2017.05 - 2017.09 Iowa State University 博士后
- 2018.07 - 至今 四川大学生命科学学院 副研究员

2. 研究方向

长期从事动物疫病防控, 动物源细菌耐药性及致病性方面的研究。兼任四川省特聘专家、畜牧兽医学会禽病学分会副秘书长, 四川省高致病性禽流感防控指导专家组成员, 四川省畜牧兽医学会理事。讲授全英文《微生物学》、《动物健康与食品安全》。研究成果在Journal of Antimicrobial Chemotherapy, Veterinary Microbiology, Antimicrobial Agents and Chemotherapy等期刊发表。副主编《动物源细菌耐药性》专著1部。

3. 在研项目

- 1) 国家自然科学基金面上项目, 32273061, 氟苯尼考促进弯曲菌中外膜囊泡介导的耐药基因转移机制研究, 2023.01-2026.12, 主持
- 2) 十四五国家重点研发项目子课题, 2022YFC2303904, 食源性病原菌交叉耐药基因传播机制及阻断技术, 2022.12-2025.11, 主持
- 3) 四川省“十四五”川猪重大科技专项课题, 2021ZDZX0010, 川猪重大疫病防控新技术新产品创制, 2021.07-2026.06, 主持
- 4) 四川省科技厅面上项目, 2023NSFSC0174, 恩诺沙星促进弯曲菌中外膜囊泡介导的耐药基因转移机制研究, 2023.01-2024.12, 主持
- 5) 四川省重点项目子课题, 2020YFN0147-LH, 川猪产业链提质增效关键技术研究与集成示范-生猪精准化疫病防控关键技术, 2020.01-2023.12, 主持
- 6) 2020年入选四川省人才计划。

4. 代表性文章

- 1) Mengyu Zhao[#], Shuang He[#], Renqiao Wen, Chao Li, Xingui Chen, Xiaolong Lin, Hongning Wang, **Yizhi Tang***. Membrane vesicles derived from *Enterococcus faecalis* promote the cotransfer of important antibiotic resistance genes located on both plasmids and chromosomes. *International Journal of Antimicrobial Agents*. (In revision)
- 2) Zihao Song, Yue Yu, Xinpeng Bai, Yiguo Jia, Jiayi Tian, Kui Gu, Mengyu Zhao, Changyu Zhou, Xiangyu Zhang, Hongning Wang, **Yizhi Tang***. Pathogen-Specific Bactericidal Method Mediated by Conjugative Delivery of CRISPR-Cas13a Targeting Bacterial Endogenous Transcripts. *Microbiol Spectr*. 2022 Aug 31;10(4): e0130022.
- 3) Renqiao Wen, Chao Li, Mengyu Zhao, Hongning Wang, **Yizhi Tang***. Withdrawal of antibiotic growth promoters in China and its impact on the foodborne pathogen *Campylobacter coli* of swine origin. *Front Microbiol*. 2022 Sep 8;13: 1004725.
- 4) **Yizhi Tang**, Yan Lai, Linghan Kong, Xingyuan Wang, Cui Li, Yulong Wang, Changwei Lei, Hongning Wang. Characterization of three porcine *Escherichia coli* isolates co-harboring tet(X4) and cfr. *Journal of Antimicrobial Chemotherapy*. *J Antimicrob Chemother*. 2021 Jan 1;76(1):263-264.
- 5) **Yizhi Tang**, Yan Lai, Xingyuan Wang, Changwei Lei, Chao Li, Linghan Kong, Yulong Wang, Hongning Wang*. Novel insertion sequence ISChl1-like mediating acquisition of *oprA* gene in foodborne pathogen *Campylobacter coli* of swine origin. *Vet Microbiol*. 2020 Nov 25;252:108934.
- 6) **Yizhi Tang**, Yan Lai, Xiaotong Yang, Xiaotong Cao, Youwei Hu, Xingyuan Wang, Hongning Wang. Genetic environments and related transposable elements of novel *cfr(C)* variants in *Campylobacter coli* isolates of swine origin. *Veterinary Microbiology*. 2020 Aug; 247:108792.
- 7) Biao Tang[#], **Yizhi Tang***, Ling Zhang, Xiao Liu, Jiang Chang, Xiaodong Xia, Hua Yang, Zhangqi Shen*. Emergence of *fexA* in Mediating Resistance to Florfenicol in *Campylobacter*. *Antimicrob Agents Chemother*. 2020 Jun 23;64(7): e00260-20. (co-first author)
- 8) **Yizhi Tang**, Liangxing Fang, Changyun Xu, Qijing Zhang#. Antibiotic resistance trends and mechanisms in the foodborne pathogen, *Campylobacter*[J]. *Anim Health Res Rev*. 2017;1-12. 4) **Yizhi Tang**, Richard J. Meinersmann, Qijing Zhang# et al. Wide but variable distribution of a hypervirulent *Campylobacter jejuni* clone in beef and dairy cattle in the United States. *Applied & Environmental Microbiology*, 2017, 83(24): AEM.01425-17.
- 9) **Yizhi Tang**, Lei Dai, Orhan Sahin, Zuowei Wu, Mingyuan Liu, Qijing Zhang*. Emergence of a plasmid-borne multidrug resistance gene *cfr(C)* in foodborne pathogen *Campylobacter*. *Journal of Antimicrobial Chemotherapy*, 2017, 72(6).
- 10) **Yizhi Tang**, Orhan Sahin, Nada Pavlovic, Jeff LeJeune, James Carlson, Zuowei Wu, Lei Dai, Qijing Zhang*. Rising fluoroquinolone resistance in *Campylobacter* isolated from feedlot cattle in the United States. *Scientific reports*, 2017 Mar 29; 7(1):494.

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