

## Professor WANG Zhiqiang

College	College of Veterinary Medicine
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	Doctor Of Veterinary Pharmacology and Toxicology
Research Interests	Study on the transmission mechanism and control technology of antimicrobial resistance of important pathogenic bacteria in livestock and poultry
Selected Publications	<p>1)Liu, Yuan; Jia, Yuqian; Yang, Kangni; <b>Wang, Zhiqiang*</b>. Metformin restores tetracyclines susceptibility against multi-drug resistant bacteria. <i>Advanced Science</i>.2020.</p> <p>2)Li, Ruichao; Lu, Xiaoyu; Peng, Kai; Liu, Ziyi; Li, Yan; Liu, Yuan; Xiao, Xia; <b>Wang, Zhiqiang*</b>. Deciphering the structural diversity and classification of mobile tigecycline resistance gene <i>tet(X)</i>-bearing plasmidome among commensal bacteria. <i>mSystems</i>.2020.</p> <p>3)Liu, Yuan; Jia, Yuqian; Yang, Kangni; <b>Wang, Zhiqiang*</b>. Heterogeneous strategies to eliminate</p>

intracellular bacterial pathogens. *Frontiers in Microbiology*.2020.

4)Liu, Yuan\*; Jia, Yuqian; Yang, Kangni; Li, Ruichao; Xiao, Xia; **Wang, Zhiqiang\***. Anti-HIV agent azidothymidine decreases Tet(X)-mediated bacterial resistance to tigecycline in *Escherichia coli*. *Communications Biology*.2020, 3:162.

5)Peng, Kai; Li, Ruichao; He, Tao; Liu, Yuan; **Wang, Zhiqiang\***.Characterization of a porcine *Proteus cibarius* strain co-harboring *tet(X6)* and *cfr*. *Journal of Antimicrobial Chemotherapy*, 2020.

6)Li, Ruichao; Lu, Xiaoyu; Liu, Ziyi; Liu, Yuan; Xiao, Xia; **Wang, Zhiqiang\***. Reorganization of *mcr-l*-bearing large MDR plasmids resolved by nanopore sequencing. *Journal of Antimicrobial Chemotherapy*, 2020.

7)Li, Ruichao; Lu, Xiaoyu; Liu, Ziyi; Liu, Yuan; Xiao, Xia; **Wang, Zhiqiang\***. Rapid detection and characterization of *tet(X4)*-positive *E.coli* strains with nanopore sequencing. *Journal of Antimicrobial Chemotherapy*, 2020.

8)Liu, Ziyi; Xiao, Xia; Liu, Yuan; Li, Ruichao; **Wang, Zhiqiang\***. Recombination of NDM-5-producing plasmids

	<p>mediated by IS26 among <i>Escherichia coli</i>. <i>International Journal of Antimicrobial Agents</i>, 2020.</p> <p>9)Liu, Yuan; Jia, Yuqian; Yang, Kangni; Li, Ruichao; Xiao, Xia; <b>Wang, Zhiqiang*</b>. Antagonizing vancomycin resistance in Enterococcus by surface localized antimicrobial display (SLAY)-derived peptides. <i>ACS Infectious Diseases</i>, 2019.</p> <p>10)Liu, Yuan; Yang, Kangni; Jia, Yuqian; <b>Wang, Zhiqiang*</b>. Repurposing peptidomimetic as potential inhibitor of New Delhi metallo- <math>\beta</math> -lactamases in Gram-negative bacteria. <i>ACS Infectious Diseases</i>, 2019.</p>
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