

## Professor LIU Yuan

College	College of Veterinary Medicine
Current Position	Professor
Types of Tutor	Master Tutor
Language	Chinese/English
Education	2009/09-2013/06, Southwest University , B.S. ; 2013/09-2018/06, China Agricultural University, PH.D;
Research Interests	Novel strategies against resistant pathogens
Selected Publications	<p><b>1. Yuan Liu</b>, Shuangyang Ding, Richard Dietrich, Erwin Märklbauer, Kui Zhu*. A biosurfactant-inspired heptapeptide with improved specificity to kill MRSA. <i>Angewandte Chemie International Edition</i>, <b>2017</b>, 56, 1486-1490. (Frontispiece, IF=12.257)</p> <p><b>2. Yuan Liu</b>, Shuangyang Ding, Jianzhong Shen, Kui Zhu*. Nonribosomal antibacterial peptides that target multidrug-resistant bacteria. <i>Natural Product Reports</i>, <b>2019</b>, 36, 573-592. (Cover, IF=11.876)</p> <p><b>3. Yuan Liu</b>, Ruichao Li, Xia Xiao, Zhiqiang Wang*. Bacterial metabolism-inspired molecules to modulate antibiotic efficacy. <i>Journal of Antimicrobial Chemotherapy</i>, <b>2019</b>, 12, 3409-3417. (IF=5.113)</p> <p><b>4. Yuan Liu</b>, Yuqian Jia, Kangni Yang, Ruichao Li, Xia Xiao, Zhiqiang Wang*. Antagonizing vancomycin resistance in enterococcus by surface localized</p>

antimicrobial display-derived peptides. *ACS Infectious Diseases*, **2019**. DOI: 10.1021/acsinfecdis.9b00164. (IF=4.911)

**5. Yuan Liu**, Kangni Yang, Yuqian Jia, Zhiqiang Wang\*. Repurposing peptidomimetic as potential inhibitor of New Delhi Metallo- $\beta$ -lactamases in Gram-negative bacteria. *ACS Infectious Diseases*, **2019**, 5, 2061-2066. (IF=4.911)

**6. Yuan Liu**, Meirong Song, Shuangyang Ding, Kui Zhu\*. Discovery of low cationic peptides to target MRSA in vivo. *ACS Infectious Diseases*, **2019**, 5, 123-130. (IF=4.911)

**7. Yuan Liu**, Ruichao Li, Xia Xiao, Zhiqiang Wang\*. Antibiotic adjuvants: an alternative approach to overcome multi-drug resistant Gram-negative bacteria. *Critical Reviews in Microbiology*, **2019**, 45, 301-314. (IF=5.697)

**8. Yuan Liu**, Ruichao Li, Xia Xiao, Zhiqiang Wang\*. Molecules that inhibit bacterial resistance enzymes. *Molecules*, **2019**, 24, 43. (IF=3.06)

**9.** Tianqi Min, Min Liu, Haijie Zhang, **Yuan Liu\***, Zhiqiang Wang\*. *General and Comparative Endocrinology*, **2019**, 283, 113233. (IF=2.445)

**10. Yuan Liu<sup>#</sup>**, Kui Zhu<sup>#</sup>, Jianfen Wang, Xiaoyong Huang, Guanlin Wang, Congying Li, Jie Cao\*, Shuangyang Ding\*. Simultaneous detection and comparative pharmacokinetics of amoxicillin, clavulanic acid and prednisolone in cows' milk by UPLC-MS/MS. *Journal of*

	<i>Chromatography B</i> , <b>2016</b> , 1008, 74-80. (IF=2.813)
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