



吉林大学 生命科学学院  
School of Life Sciences, Jilin University



## 副教授

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[实验技术人员 \(../szdw/syjsry.htm\)](#)

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研究方向:	1. 以疾病相关蛋白酶为靶点进行药物高通量虚拟筛选研究 2. 通过计算机辅助药物设计方法, 对小分子药物进行设计、发现、以及分子机制研究 3. 应用分子模拟方法对蛋白酶进行结构和生物学功能性研究	
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研究成果:

- 1 Li Ren, Dahai Yu, Yanyan Wang, Liqiao Shen, Jinrui Zhang, Ye Wang\*, Xuexun Fang\*, Inhibiting effects of common trivalent metal ions on transmembrane-type 2 matrix metalloproteinase, *Int J Biol Macromol.*, 2018, 119, 683-691.
- 2 Li Ren#, Ye Wang#, Lei Zhu, Liqiao Shen, Jinrui Zhang, Jingjing Wang, Haolong Li, Qingchuan Zheng, Dahai Yu, Xuexun Fang, Optimization of a MT1-MMP targeting Peptide and Its Application in Near-infrared Fluorescence Tumor Imaging, *Sci Rep.* 2018, 8(1), 10334.
- 3 Ye Wang, Chengkai Zhang, Song An, Xuexun Fang and Dahai Yu, Engineering substrate promiscuity in 2,4-dichlorophenol hydroxylase by in silico design, *RSC Adv.*, 2018, 8, 21184-21190.
- 4 Ye Wang, Miao Yu, Xiaonan Wang, Xin Zhang, Xizhu Wang and Xuexun Fang, Jatropha rhizine hydrochloride potentiates the neuraminidase inhibitory effect of oseltamivir towards H7N9 influenza, *RSC Adv.*, 2015, 5, 64937 - 64943.
- 5 Ye Wang, Di Wu, Dahai Yu, Zhiyong Wang, Li Tian, Yanyan Wang, Weiwei Han and Xuexun Fang, Computational study on new natural polycyclic compounds of H1N1 influenza virus neuraminidase, *J Mol Model*, 2012, 18, 3445 - 3453.
- 6 Yanyan Wang, Ye Wang, Song An, Jinrui Zhang, Yuqian Han, Jinge Xu, Fang Yu, Dahai Yu, Xuexun Fang, Potent and selective inhibition of matrix metalloproteinases by lanthanide trichloride, *RSC Adv.*, 2018, 8, 14347-14354.
- 7 Yanyan Wang, Ye Wang, Yang Zhan, Jinrui Zhang, Weiguo Liang, Xuexun Fang, Dahai Yu, Yan Feng, DNA binding ability of histone-like protein HPhA is negatively affected by interaction with Pb<sup>2+</sup>, *Biometals*, 2015, 28, 207 - 217.
- 8 Miao Yu, Ye Wang, Li Tian, Yanyan Wang, Xizhu Wang, Weiguo Liang, Jiyu Yang, Dahai Yu, a Tonghui Ma\*, Xuexun Fang\*, Safflomin A inhibits neuraminidase activity and influenza virus replication, *RSC Adv.*, 2015, 5, 94053-94066.
- 9 Yuexi Wang, Ye Wang, Weiwei Han\*, Yan Feng\*, Improving Sensitivity of Enzyme to Organophosphorous Compounds by Combining Experiment and Theory Methods, *CHEM. RES. CHINESE UNIVERSITIES*, 2012, 28(4), 707-711.
- 10 Liyuan Hu, Mengjun Cheng, Yufeng Zhang, Lei Zhang, Ruopeng Cai, Changjiang Sun, Xin Feng, Liancheng Lei, Jingmin Gu, Ye Wang\*, Wenyu Han\*, The key sites of interaction between LysGH15CHAP domain and its substrate, *Chin J Vet Sci*, 2017, 37(3), 485-490.

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