

Guan Zhenhong

Associate Professor

Email : guanzh@jlu.edu.cn



SHORT BIOGRAPHY:

Guan Zhenhong obtained M.Sc. in Preventive Veterinary Medicine from Jilin Agricultural University in 2004 and Ph.D. degree in Preventive Veterinary Medicine from China Agricultural University in 2007. In 2007, she became a teacher of Jilin University. And till now, she have been engaged in the research of protein-protein interactions between important zoonotic virus pathogens and their host, and a variety of key proteins involved in various cellular processes and virus replication were identified, and then several target molecules for therapeutic intervention were also revealed..



RESEARCH INTERESTS :

- Virus-host protein-protein interaction network
- Identifying cellular proteins critical for virus replication and infection
- Molecular pathogenic mechanism of virus



SELECTED PUBLICATIONS :

- Zhang Huanhuan, Yu Hongmin, Wang Jiahui, Zhang Maolin, Wang Xinrui, Ahmad W, Duan Ming, Guan Zhenhong. The BM2 protein of influenza B virus interacts with p53 and inhibits its transcriptional and apoptotic activities, *Mol Cell Biochem*. 2015, 403(1-2):187-197.
- Yan Song, Jinli Hou, Bin Qiao, Yanchao Li, Ye Xu, Ming Duan, Zhenhong Guan, Maolin Zhang, and Liankun Sun. Street rabies virus causes dendritic injury and F-actin depolymerization in the hippocampus, *J Gen Virol*, 2013, 94:276-283.
- Zhenhong Guan, Maolin Zhang, Peili Hou, Ming Duan, Yuming Cui, Xinrui Wang. Identification of cellular proteins interacting with influenza A virus PB1-F2 protein. *Acta viologica*, 2012, 56: 199-207.
- Zhenhong Guan, Ning Shi, Yan Song, Xiaoyang Zhang, Maolin Zhang, Ming Duan. Induction of the cellular microRNA-29c by influenza virus contributes to virus-mediated apoptosis through repression of antiapoptotic factors BCL2L2. *Biochem Biophys Res Commun*, 2012, 31;425(3): 662-667.
- Zhenhong Guan, Di Liu, Shuofu Mi, Jie Zhang, Qinong Ye, Ming Wang, George F. Gao, Jinghua Yan. Interaction of Hsp40 with influenza virus M2 protein: implications for PKR signaling pathway. *Protein Cell*, 2010, 1(10): 944-955.