

Zhang Maolin

Associate Professor

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SHORT BIOGRAPHY:

Zhang Maolin Obtained his PhD degree in veterinary infectious disease in July 2000. He Served as an assistant prof and associate prof from September 1998 to now. He have received 5 NSFC proposals for basic research and one for National Key Research and Development Program of China, he published more than 30 related articles, and rewarded 2 prizes in provincial and ministerial level.

RESEARCH INTERESTS :

- Focus on rabies pathogenesis, which is closely associated with endocytosis, transport, replication, assembly and budding of viral infection cycles , expound the dysfunction and severe manifestation after street rabies virus clinical infection, axoplasmic transportation from peripheral to central nervous systems of rabies virus might be the key steps to explore the pathogenesis, so we take actins, microtubules and transport vehicles(kinesin and dynein motors) as the milestones now, important data have collected and persisted adding.

SELECTED PUBLICATIONS :

- Xu H, Hao X, Wang S, Wang Z, Cai M, Jiang J, Qin Q, Zhang M, Wang H. Real-time Imaging of Rabies Virus Entry into Living Vero cells. *Sci Rep*, 2015 Jul 7, 5:11753. (co-corresponding author , IF 5.228 , 3 ☒)
- Song Y, Hou J, Qiao B, Li Y, Xu Y, Duan M, Guan Z, Zhang M, Sun L. Street rabies virus causes dendritic injury and F-actin depolymerization in the hippocampus. *J Gen Virol*, 2013, 94(Pt2), 276–283. (co-corresponding author , IF 3.19 , 3 ☒)
- Gao J, Wang X, Zhao M, Liu E, Duan M, Guan Z, Guo Y, Zhang M. Entry of Challenge Virus Standard (CVS) -11 into N2a cells via a clathrin-mediated, cholesterol-, dynamin-, pH-dependent endocytic pathway. *Virol J*. 2019 Jun 13, 16(1):80. Doi: 10.1186/s12985-019-1186-9. (corresponding author , IF 2.48 , 3 ☒)
- Guo Y, Duan M, Wang X, Gao J, Guan Z, Zhang M. Early events in rabies virus infection-Attachment, entry, and intracellular trafficking. *Virus Res*. 2019 Apr 2, 263:217-225. Doi: 10.1016/j.virusres.2019.02.006. Review. (corresponding author , IF 2.57 , 3 ☒)
- Ahmad, W., YY Li, YD Guo, XY Wang, M. Duan, ZH Guan, ZS Liu, and ML Zhang. Rabies virus co-localizes with early (Rab5) and late (Rab7) endosomal proteins in neuronal and SH-SY5Y cells. *Virol Sin*, 2017, 32 (3): 207-215.(corresponding author , IF 2.357 , 3 ☒)

AWARDS:

- Cloning and Experimental Immunization of Rabies Oral Vaccine Strain" , Military Science and Technology Progress 2nd prize (ranked fourth)
- Rabies Virus Gene Immunization Research" Military Science and Technology Progress 3rd prize (ranked second)