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### **Education:**

- BSc, East China Normal University, China, 1993-1997
- PhD, Nanyang Technological University, Singapore, 2002-2007

### **Selected publication:**

1. Yanrong Li 1#, Weiyu Jiang, Qiaona Niu, Yingjie Sun, Chunchun Meng, Lei Tan, Cuiping Song, Xusheng Qiu, Ying Liao\* #, Chan Ding\* eIF2 $\alpha$ -CHOP-BC12/JNK and IRE1 $\alpha$ -XBP1/JNK Signaling Promote Apoptosis and Inflammation and Support the proliferation of Newcastle Disease Virus. *Cell death & Disease*. 2019. Nov 26; 10(12):891. (# First authors, \*Corresponding authors)
2. Han S #, Mao L #, Liao Y #, Sun S, Zhang Z, Mo Y, Liu H, Zhi X, Lin S, Seo HS, Guo H. Sec62 Suppresses Foot-and-Mouth Disease Virus Proliferation by Promotion of IRE1 $\alpha$ -RIG-I Antiviral Signaling. *J Immunol*. 2019 Jul 15;203(2):429-440. (# First authors, \*Corresponding authors)
3. Wang H, Yuan X, Sun Y, Mao X, Meng C, Tan L, Song C, Qiu X, Ding C, Liao Y\*. Infectious bronchitis virus entry mainly depends on clathrin mediated endocytosis and requires classical endosomal/lysosomal system. *Virology*. 2019; 528:118-136.
4. Fan XX #, Han SC #, Yan D, Gao Y, Wei YQ, Liu XT, Liao Y \*, Guo HC \*, Sun SQ \*. Foot-and-mouth disease virus infection suppresses autophagy and NF- $\kappa$ B antiviral responses via degradation of ATG5-ATG12 by 3C pro. 2017. *Cell Death & Disease*. 2017 Jan 19;8(1): e2561. (# First authors, \*Corresponding authors)
5. Liao Y #\*, Wang HX #, Mao X, Fang H, Wang H, Li Y, Sun Y, Meng C, Tan L, Song C, Qiu X, Ding C \*. RIP1 is a central signaling protein in regulation of TNF- $\alpha$ /TRAIL mediated apoptosis and necroptosis during Newcastle disease virus infection. *Oncotarget*. 2017. 8 (26): 43201-43217. (# First author, \* Corresponding authors)
6. Wang X, Wang R, Luo M, Li C, Wang HX, Huan CC, Qu YR, Liao Y \*, Mao X \*. (DEAD)-box RNA helicase 3 modulates NF- $\kappa$ B signal pathway by controlling the phosphorylation of PP2A-C subunit. *Oncotarget*. 2017 May16;8(20):33197-33213. (\* Corresponding authors)
7. Fung TS, Liao Y\*, Liu DX\*. Regulation of Stress Responses and Translational Control by Coronavirus. *Viruses*. 2016 Jul 4;8(7). (\*Corresponding authors)
8. Liao Y # \*, Gu F #, Mao X, Niu Q, Wang H, Sun Y, Song C, Qiu X, Tan L, Ding C. 2016. Regulation of de novo Translation of Host Cells by Manipulation of PERK/PKR and GADD34-PP1 Activity during Newcastle Disease Virus Infection. *J Gen Virol*. 2016 Apr;97(4):867-79. (# First author, \* Corresponding author)
9. Liao Y, Zhang SM, Neo TL, Tam JP. 2015. Tryptophan-dependent membrane

interaction and heteromerization with the internal fusion peptide by the membrane proximal external region of SARS-CoV spike protein. *Biochemistry*. 54(9):1819-30. (First author)

10. Liao Y, Fung TS, Huang M, Fang SG, Zhong YX, Liu DX. 2014. RNA Isolation and Northern Blot Analysis. *Bio-protocol*. Vol 4, Iss 6 (First author)

11. Liao Y, Fung TS, Huang M, Fang SG, Zhong Y, Liu DX. 2013. Up-regulation of CHOP/GADD153 during Coronavirus Infectious Bronchitis Virus Infection Modulates Apoptosis by Restricting Activation of the Extracellular Signal-Regulated Kinase Pathway. *J Virol*. 87(14):8124-34. May 15. (First author)

12. Liao Y, Wang X, Huang M, Tam JP, Liu DX. 2011. Regulation of the p38 mitogen-activated protein kinase and dual-specificity phosphatase 1 feedback loop modulates the induction of interleukin 6 and 8 in cells infected with coronavirus infectious bronchitis virus. *Virology*. 420 (2):106-16. (First author)

13. Wang, XX # , Liao, Y # , Yap PL, Png KJ, Tam JP, Liu DX. Inhibition of protein kinase R activation and upregulation of GADD34 expression play a synergistic role in facilitating coronavirus replication by maintaining de novo protein synthesis in virus-infected cells. *J Virol*. 2009. 83(23):12462-72. (#First authors)

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