# Biosketch

**Xinwen Chen, PhD, Prof.**

Professor
Wuhan Institute of Virology
Chinese Academy of Sciences
44#Xiaohongshanzhongqu, Wuhan 430071, China
Phone: 0086-(0)27-87197575
email: chexw@wh.iov.cn

## Positions and Employment

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|---|---|
| 2018.11 – present | Director General, Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences |
| 2008.09 – 2018.10 | Director General, Wuhan Institute of Virology, Chinese Academy of Sciences |
| 2003.09 – 2018.10 | Deputy Director General,Assistant Director General,Wuhan Institute of Virology, Chinese Academy of Sciences |
| 2000.09 – present | Principal Investigator, Wuhan Institute of Virology, Chinese Academy of Sciences |
| 1992.09 – 2000.06 | Assistant Investigator and Associate Investigator, Wuhan Institute of Virology, Chinese Academy of Sciences |

Prof. Xinwen Chen received his PhD degree from Wageningen University, the Netherlands in 2001. He then worked at the University of California at Berkeley as a visiting scientist before he returned to WIV as a principle investigator. His research is focused on understanding the virus-host interaction in different viral-infection systems, including flaviviruses (HCV, TBEV), hepatitis B virus (HBV), and baculovirus to reveal the mechanisms of viral replication and viral pathogenesis. Prof. Chen was awarded "National outstanding youth fund" and " the Hundred Talents Project" of CAS in 2003 and received second class prizes of the State Scientific and Technological Progress Award in 2007. In addition to scientific research, Prof. Chen is also member of the council of the Chinese Society of Microbiology, as well as the vice president of the Hubei Society of Microbiology and the Hubei Society of Biotechnology.

## Research Project Funded by:

The National Health Commission of the People's Republic of China (2018ZX10101004-001）
The National Natural Science Foundation of China (81672021)

## Selected Publications:

1 Yang, Q. et al. Histone deacetylase 4 inhibits NF-κB activation by facilitating IκBα sumoylation. J Mol Cell Biol 12, 933-945, doi:10.1093/jmcb/mjaa043 (2021).

2 Yang, Q. et al. ADAM15 Participates in Tick-Borne Encephalitis Virus Replication. J Virol 95, doi:10.1128/jvi.01926-20 (2021).

3 Yang, Q. et al. Tick-borne encephalitis virus NS4A ubiquitination antagonizes type I interferon-stimulated STAT1/2 signalling pathway. Emerg Microbes Infect 9, 714-726, doi:10.1080/22221751.2020.1745094 (2020).

4 Pei, R. et al. Host metabolism dysregulation and cell tropism identification in human airway and alveolar organoids upon SARS-CoV-2 infection. Protein Cell, 1-17, doi:10.1007/s13238-020-00811-w (2020).

5 Yuan, Y. et al. HDAC11 restricts HBV replication through epigenetic repression of cccDNA transcription. Antiviral Res 172, 104619, doi:10.1016/j.antiviral.2019.104619 (2019).

## Research Group

**Staffs:**

**MS and MD/PhD Students:**