

# Resume of Yao CHEN

## **Basic Information**



School : Life Sciences and Health Engineering  
Gender: Female  
Date of Birth: 198202  
Title: Lecturer  
Education: Ph.D of Biochemistry and Molecular Biology  
Tutor: Master degree  
Interest of research: Potein engineering , Virus molecular biology

## **Academic Background**

From September 1998 to July 2002, Huazhong University of Science and Technology, Bachelor's degree in Biological technology;

From September 2004 to July 2012, Wuhan Institute of Virology, Chinese Academy of Sciences, Ph.D of Biochemistry and Molecular Biology.

## **Enrollment Information**

1. Enrollment Discipline: Master of Bioengineering
2. Research direction: ptein engineering , virus molecular biology
3. Enrollment Year: 2024-2025

## **Representative Projects**

- 1.National Natural Science Foundation of China "Study on the function and mechanism of lef-9, a subunit of baculovirus polymerase, involved in the selection of transcription start sites and catalytic RNA synthesis of late viral genes",China, Project leader.
2. Hubei University of Technology Doctoral startup Fund Project "Structure and function of oncogene mdmx",Hubei Province, Project leader.
- 3.National Natural Science Foundation of China "Study on genes affecting hearNPV ODV embedding and their functions",China.
- 4.Major project of Hubei Province's special technology "innovation research and development of key technologies for the synthesis of anticancer drug carbinolone acetate based on phytosterol semibiological method", Hubei Province.
- 5.Wuhan Science and Technology Bureau, Wuhan Natural Science Foundation Key Project "Early diagnosis of liver cancer and targeted anticancer drug design", Wuhan City.

## **Representative Articles**

1. Cysteines 128 and 250 are essential for the functions of the baculovirus core gene ac109, *Virology*, 2023, 587, 109857.
2. Helicoverpa armigera nucleopolyhedrovirus ORF50 is an early gene not essential for virus propagation in vitro and in vivo., *Virus Genes*, 2012, 45(1): 149-160.
3. H5N1 influenza virus-like particles produced by transient expression in mammalian cells induce humoral and cellular immune responses in mice., *Canadian Journal of Microbiology*, 2012, 58(4): 391-401.
4. Efficient reactivation of p53 in cancer cells by a dual MdmX/Mdm2 inhibitor., *J Am Chem Soc*, 2014, 136(52): 18023-18033.
5. Recombinant butelase-mediated cyclization of the p53-binding domain of the oncoprotein MdmX stabilized protein conformation as a promising model for structural investigation, *Biochemistry*, 2019, 58(27): 3015.
6. A Fusion Protein of the p53 Transactivation Domain and the p53-Binding Domain of the Oncoprotein MdmX as an Efficient System for High-Throughput Screening of MdmX Inhibitors, *Biochemistry*, 2017, 56(25): 3273-3282.