

# CURRICULUM VITAE

Personal Information					
Name	Hao Wu	Gender	Male		
Position Title	Professor				
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Research Interest					
<ol style="list-style-type: none"><li>1. The molecular regulation of regulated cell death, especially ferroptosis, and its physiological/pathological relevance;</li><li>2. Homeostasis regulation, nutritional and non-nutritional functions of trace elements, especially iron;</li><li>3. Selective autophagy, including mitophagy, ferritinophagy, in cellular homeostasis and cell fate determination.</li></ol>					
Education & Working Experience					
<p>2019.11- PI/Professor, Basic Veterinary Medicine, College of Veterinary Medicine, Huazhong Agricultural University;</p> <p>2015.07-2019.10 Post-Doctor, the State Key Laboratory of Membrane Biology, Institute of Zoology, Chinese Academy of Sciences;</p> <p>2011.09-2015.06 PhD, University of Chinese Academy of Sciences/ the State Key Laboratory of Membrane Biology, Institute of Zoology, Chinese Academy of Sciences;</p> <p>2008.09-2011.06 Mater Degree, College of Animal Sciences &amp; Technology , Huazhong Agricultural University;</p> <p>2005.09-2009.06 Bachelor Degree, College of Life Sciences &amp; Technology , Huazhong Agricultural University.</p>					
Publications					

1. **Hao Wu\***, Hufang Wei#, Di Zhang, Sheikh Arslan Sehgal, Dejiu Zhang, Xiaohui Wang, Yan Qin, Lei Liu\*, and Quan Chen\*. Defective mitochondrial ISCs biogenesis switches on IRP1 to fine tune selective mitophagy. **Redox Biology** 36 (2020) (Online, IF=9.986)
2. **Hao Wu**, Lei Liu, You Wang, Wenhui Li, Hui Chen, Lei Du, Dong Liu, Xiaohui Wang, Tao Xu, Quan Chen\*. Deficiency of Mitophagy Receptor FUNDC1 Impairs Mitochondrial Quality and Aggravates Dietary Induced Obesity and Metabolic Syndrome. **Autophagy** 15 (2019) 1882-1898. (IF=11.059)
3. **Hao Wu**, Danfeng Xue, Guo Chen, Zhe Han, Li Huang, Chongzhuo Zhu, Xiaohui Wang, Haijing Jin, Jun Wang, Yushan Zhu, Lei Liu\*, Quan Chen\*. The BCL2L1 and PGAM5 axis defines hypoxia induced receptor-mediated mitophagy. **Autophagy** 10 (2014) 1712-1725. (IF=11.423)
4. **Hao Wu**, Hufang Wei, Sheikh Arslan Sehgal, Lei Liu, Quan Chen\*. Mitophagy receptors sense stress signals and couple mitochondrial dynamic machinery for mitochondrial quality control. **Free Radical Biology and Medicine** 100 (2016) 199–209. (IF=6.02)
5. **Hao Wu**, Quan Chen\*. Hypoxia activation of mitophagy and its role in disease pathogenesis. **Antioxidants & Redox Signaling** 22 (2015) 1032-1046. (IF=6.53)
6. **Hao Wu**, Fengli Wang#, Shenglan Hu#, Cong Yin, Xiao Li, Shuhong Zhao, Junjun Wang, Xianghua Yan\*. MiR-20a and miR-106b negatively regulate autophagy induced by leucine deprivation via suppression of ULK1 expression in C2C12 myoblasts. **Cellular Signalling** 24 (2012) 2179–2186. (IF=3.487)
7. Danfeng Xue, Quanxin Wang, Ziheng Chen, Qiuyue Qi, Lei Liu, Xiaohui Wang, Haijing Jin, Jun Wang, **Hao Wu\***, Hongwei Liu\*, Quan Chen\*. 3-Anhydro-6-hydroxy-ophiobolin A, a fungal sesterterpene from Bipolaris oryzae induced autophagy and promoted the degradation of  $\alpha$ -synuclein in PC12 cells. **Bioorganic & Medicinal Chemistry Letters** 25 (2015) 1464-1470. (IF=2.442)
8. Rana Adnan Tahir#, **Hao Wu**, Muhammad Ahmad Rizwan, Tassadaq Hussain Jafar, Shahzad Saleem, Sheikh Arslan Sehgal\*. Immunoinformatics and molecular docking studies reveal potential epitope-based peptide vaccine against DENV-NS3 protein. **Journal of Theoretical Biology** 459 (2018) 162–170. (IF=1.833)
9. Rana Adnan Tahir#, **Hao Wu**, Naima Javed, Anila Khalique, Seemab Amjad Fateh Khan, Asif Mir, Muhammad Saad Ahmed, George E Barreto, Hong Qing, Ghulam Md Ashraf, Sheikh Arslan Sehgal\*. Pharmacoinformatics and molecular docking reveal potential drug candidates against Schizophrenia to target TAAR6. **Journal of Cellular Physiology** 234 (2019) 13263-13276. (IF=5.546)