

# CURRICULUM VITAE

Personal Information			
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Study Informaiton			
Doctor of Philosophy Degree in Pathogen Biology		2002-2005	
National Institute for the Communicable Diseases Prevention and Control, China CDC, Beijing ,China			
Master of Science Degree in Microbiology		1994-1997	
Dept. of Plant Protection, Huazhong Agricultural University, Wuhan, P. R. China.			
Bachelor of Science Degree in Microbiology and immunology		1990-1997	
Dept. of biology, Wuhanl University, Wuhan, P. R. China.			
Professional Memberships			
Member of Chinese Society of Microbiology; Member of Chinese Preventive Medicine Society			
Other Roles			
Education & Working Experience			
<b>Eudcation:</b>			
Doctor of Philosophy Degree in Pathogen Biology		2002-2005	
National Institute for the Communicable Diseases Prevention and Control, China CDC, Beijing ,China			
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Dept. of biology, Wuhanl University, Wuhan, P. R. China.			
<b>Working:</b>			
Wuhan Center for diseases prevention and control ,Wuhan		1997-2002	



Huazhong Agricultural University School of Chemical and Bio-medical Engineering, University, Singapore	Wuhan	2005-2007 Nanyang Techonlogy 2008-2009
Huazhong Agricultural University	Wuhan	2010-present.

## Publications

1. Gong, Yunxia, Tumurbaatar, Naranzul, Zhou, Junying, **Qi, Xiaobao**. 2021. A strain of *Saccharomyces cerevisiae* with high production of butanol. *European Food Research and Technology* DOI10.1007/s00217-021-03874-z.
2. **Qi, Xiaobao**, Z. L. Wang, R. S. Lu, J. W. Liu, Y. Li, and Y. P. Chen. 2021. One-step and DNA amplification-free detection of *Listeria monocytogenes* in ham samples: Combining magnetic relaxation switching and DNA hybridization reaction. *Food Chemistry*. 338.
3. Gong, Y. X., and **Xiaobao Qi**. 2020. A study revealing volatile aroma produced by *Pediococcus pentosaceus* in dough fermentation. *Food Science & Nutrition*. 8:5077-5085.
4. **Xiaobao Qi**, Huanhuan Xu, Wukang Liu, Ailing Guo. 2020. Development of a rapid FLISA detection of *Salmonella* spp based on CdTe/ZnS quantum dots. *Journal of Food Safety*. 40:e12830.
5. Xiaobao, Qi, Xu, Huanhuan, Liu, Wukang, Guo, Ailing\*. Development of A Rapid FLISA Detection of *Salmonella* spp Based on CdTe/ZnS Quantum Dots. *Journal of Food Safety*, 2020.
6. Junying Zhou, Ailing Guo and Xiaobao Qi\*  
Cell envelope disruption of *E. coli* exposed to  $\epsilon$ -polylysine by FESEM and TEM technology, *The Journal of Scanning Microscopies*, 2013 35(6):412-417;
7. **Xiaobao Qi**, Gunawan, P., Xu, R., Chang, M. W.\*, Cefalexin-immobilized multi-walled carbon nanotubes show strong antimicrobial and anti-adhesion properties. *Chemical Engineering Science*. 2012, 84:552-556.
8. **Xiaobao Qi**, Gunawan Poernomo Kean Wang, Yuan Chen, Mary B. Chan-Park, Rong Xu, and Matthew Wook Chang\*. Covalent immobilization of nisin on multi-walled carbon nanotubes: superior antimicrobial and anti-biofilm properties, *Nanoscale*, 2011, 3:1874-1880; (IF, 5.9)
9. **Xiaobao Qi**, Chucai Zhou, Peng Li, Weixin Xu, Ye Cao, Hua Ling, Wei Ning Chen, Chang Ming Li, Rong Xu, Mouad Lamrani, Yuguang Mu, Susanna Su Jan Leong, Matthew Wook Chang, Mary Chan-Park, Novel short antibacterial and antifungal peptides with low cytotoxicity: efficacy and action mechanisms, *Biochemical and biophysical Research Communications*, 2010, 398(3):594-600; (IF, 2.54)
10. Junying Zhou and **Xiaobao Qi**\*, Multi-walled Carbon nanotubes/ $\epsilon$ -polylysine nanocomposite with enhanced antibacterial activity, *Letters in Applied Microbiology*, 2011. 52 (1) : 76-83; (IF, 1.62)
11. Peng Li, Yin Fun Poon, Weifeng Li, Hong-Yuan Zhu, Siew Hooi, Ye Cao, **Xiaobao Qi**, Chuncai Zhou, Roger W. Beuerman, Yuguang Mu, Chang Ming Li, Matthew W. Chang, Susanna Su Jan Leong, Mary B. Chan-Park. A polycationic antimicrobial and biocompatible hydrogel with microbe membrane suctioning ability. *Nature Materials*, 2011, 10: 149-156; (IF, 29.897)
12. Chuncai Zhou, **Xiaobao Qi**, Peng Li, Wei Ning Chen, Lamrani Mouad, Matthew W. Chang, Susanna Su Jan Leong\* and Mary B. Chan-Park\*, High Potency and Broad-Spectrum Antimicrobial Peptides Synthesized via Ring-Opening Polymerization of  $\alpha$

- Aminoacid-N-carboxyanhydrides, *Biomacromolecules*, 2010, 11 (1): 60 - 67; (IF, 5.325)
13. Hua Ling , Kang A, Tan MH, **Xiaobao Qi**, Matthew W. Chang\*. The absence of the luxS gene increases swimming motility and flagella synthesis in *Escherichia coli* K12. *Biochem Biophys Res Commun.* 2010, 401(4):521-526; (IF, 2.54)
14. Wei Yuan, Guohua Jiang, Jianfei Che, **Xiaobao Qi**, Rong Xu, Matthew W. Chang, Yuan Chen, Su Yin Lim, Jie Dai and Mary B. Chan-Park , Deposition of Silver Nanoparticles on Multiwalled Carbon Nanotubes Grafted with Hyperbranched Poly(amidoamine) and Their Antimicrobial Effects, *J. Phys. Chem. C*, 2008, 112 (48): 18754 - 18759; (IF, 3.396)
15. Zhou C, Peng L, **Xiaobao Qi**, Lamrani M, Chang MW, Leong SS, Chan-Park MB Antimicrobial hydrogels prepared from methacrylated Epsilon-Poly-L-Lysine. *Biomaterials.* 2011.32:2704-2712. (IF,7.88)
16. **Xiaobao, Qi**, Jiangu, Xu, The Truncated Gene *cfaD'* Positively Regulates CFA/I Expression of Enterotoxigenic *Escherichia coli*, 2004, *Chinese J. Microbiol Immunol*, 12(4):250-254;
17. Biao Kan, Ming Wang, Huaiqi Jing, Huifang Xu, Xiugao Jiang, Meiyang Yan, Weili Liang, Han Zheng, Kanglin Wan, Qiyong Liu, Buyun Cui, Yanmei Xu, Enmin Zhang, Hongxia Wang, Jingrong Ye, Guichang Li, Machao Li, Zhigang Cui, **Xiaobao Qi**, Kai Chen, Lin Du, Kai Gao, Yu-teng Zhao, Xiao-zhong Zou, Yue-Ju Feng, Yu-Fan Gao, Rong Hai, Dongzhen Yu, Yi Guan, and Jianguo Xu, Molecular Evolution Analysis and Geographic Investigation of Severe Acute Respiratory Syndrome Coronavirus-Like Virus in Palm Civets at an Animal Market and on Farms, *J. Virol.* 2005, 79: 11892-11900;

### Additional Information

Our lab was mainly engaged in food microbiology, fermentation flavor, food safety, food preservative and natural preservative antimicrobial peptide development. We has undertaken the National 863 Project, National Science and Technology Support Plan and independent innovation projects, and published more than 20 SCI papers. Welcome to join us!