



## CURRICULUM VITAE of Dr. WANG CHAO ([wangchao@hkbu.edu.hk](mailto:wangchao@hkbu.edu.hk))

**Name:** WANG Chao

### **Academic qualifications:**

2002-2006 B.S. Henan Agriculture University, Zhengzhou, China

2007-2010 M.S. South China University of Technology, Guangzhou, China

2010-2015 Ph.D. South China University of Technology, Guangzhou, China

### **Previous academic positions held:**

2014-2015 Senior Research Assistant Department of Computer Science, Hong Kong Baptist University

### **Present academic position:**

2015- Postdoctoral Fellow, Hong Kong Baptist University

### **Previous relevant research work:**

- Cis and trans elements in fungi
- Protein-DNA interaction in vivo at a genome level
- Transcription regulation pattern in the single cell
- The application of single molecule technology for the study of transcription regulation
- Data mining and bioinformatics analysis on genome data

### **Representative publication in the past five years (\* corresponding author)**

1. **Chao, Wang**; Lu, Han; Li, P., 2009. Effect of Inorganic Ions and Nonionic Surfactants on the Activity of Acid Cellulase. *Mod. Food Sci. Technol.* 25, 152–156.
2. Hongmei, Chen; Fangfang, Li; Li, Pan; Huilin, Yang; **Chao, Wang**, 2008. Analysis of the expression of alkaline protease from *Aspergillus oryzae* 3.042 during seeding leaven. *China Brew.* 27, 62–63+.
3. Wang, B., Guo, G., **Wang, Chao**, Lin, Y., Wang, X., Zhao, M., Guo, Y., He, M., Zhang, Y., Pan, L., 2010. Survey of the transcriptome of *Aspergillus oryzae* via massively parallel mRNA sequencing. *Nucleic Acids Res.* 38, 5075–5087. doi:10.1093/nar/gkq256
4. **Chao, Wang**; Yangyong Lv; Bin Wang; Yin, C., Lin, Y., Pan, L., 2015. Survey of protein-DNA interactions in *Aspergillus oryzae* on a genomic scale. *Nucleic Acids Res.* 43, 4429–4446. doi:10.1093/nar/gkv334
5. Bin, Zhou; **Chao, Wang**; Bin, Wang; Li, X., Xiao, J., Pan, L., 2015. Identification of functional cis-elements required for repression of the Taka-amylase A gene under secretion stress in *Aspergillus oryzae*. *Biotechnol. Lett.* 37, 333–341.

### **Awarded Prizes and Patents**

1. Li Pan; Bin Zhou; Chao Wang;, 2013. Promoter for filamentous fungal protein secretion pressure feedback regulation element and feedback inhibition resistance, plasmid, preparation method and transformed cell. CN103275981 A.