

## 理工实验平台人员介绍

### 理工实验平台副教授

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### 简介

陈超博士（副教授）长期从事生物化学与分子生物学的研究工作，在生物信息分析等研究方面取得了一定成绩。目前，已在 Neuron、Frontiers in Neuroscience、Canadian Journal of Plant Science 等国内外知名 SCI 期刊发表科研论文 6 篇；出版教材 2 部。

### 最高学历

2001.09~2007.07，北京师范大学，生命科学学院，生物化学与分子生物学，博士；

### 近期科研成果

#### 项目经历

1. 2017-2021 年，主持广东省自然科学基金“水玉米高直链淀粉代谢修饰基因 ZmSIP 功能鉴定”。
2. 2021-今，主持珠海市科技计划项目“SARS-CoV-2 防假阴性高灵敏度检测试剂盒研究”。

#### 发表论文,专利及著作

1. Dong Zhaoqi; Chen Wenbing; **Chen Chao**; Wang Hongsheng; Cui Wanpeng; Tan Zhibing; Robinson Heath; Gao Nannan; Luo Bin; Zhang Lei; Zhao Kai; Xiong Wen-Cheng; Mei Lin; CUL3 Deficiency Causes Social Deficits and Anxiety-like Behaviors by Impairing Excitation-Inhibition Balance through the Promotion of Cap-Dependent Translation , Neuron, 2020, 105(3): 475-490.e6.
2. Zhang Yong-hua; **Chen Chao**; Shi Zi-han; Cheng Hui-mei; Bing Jie; Ma Xiao-feng; Zheng Chao-xing; Li Hong-jie; Zhang Gen-fa; Identification of salinity-related genes in ENO2 mutant (eno2-) of Arabidopsis thaliana, Journal of Integrative Agriculture, 2018, 17(1): 94-110.
3. Li, Hong; Zheng, Ling; **Chen, Chao**; Liu, Xiaoli; Zhang, Wensheng\*; Brain Senescence Caused by Elevated Levels of Reactive Metabolite Methylglyoxal on D-Galactose-Induced Aging Mice , Frontiers in Neuroscience, 2019, 13: 1004. (期刊论文)

4. **Chao Chen**; Yonghua Zhang; Pan Ye; Xiaofeng Ma; Chaoxing Zheng; Genfa Zhang; ENO2 knock-out mutants in Arabidopsis modify the regulation of the gene expression response to NaCl stress , *Molecular Biology Reports*, 2018, 45(5): 1331-1338.
5. **Chen, Chao**; Gao, Shan; Sun, Qing; Tang, Yuling; Han, Yuhao; Zhang, Jinkun; Li, Zhipeng; Induced splice site mutation generates alternative intron splicing in starch synthase II (SSII) gene in rice , *Biotechnology & Biotechnological Equipment*, 2017, 31(6): 1093-1099.
6. **Chen Chao**; Zhang Tie-Gang; He Jing-Guo; Wu Jiang; Chen Li-Juan; Liu Jun-Feng; Pang Xing-Huo; Yang Jie; Shao Zhu-Jun; Huang Ying-Chun; A first meningococcal meningitis case caused by serogroup X Neisseria meningitidis strains in China, *Chinese Medical Journal*, 2008, 121(7): 664-666.
7. Zhang Tie-gang; **Chen Chao**; He Jing-guo; Wu Jiang; Chen Li-juan; Pang Xing-huo; Yang Jie; Shao Zhu-jun; Huang Ying-chun; Molecular characterizations of serogroup B Neisseria meningitidis strains circulating in Beijing , *Chinese Medical Journal*, 2009, 122(5): 584-587.

## 仪器管理

1. 分选型流式细胞仪
2. 紫外可见分光光度计
3. 细胞能量代谢分析仪
4. 蛋白质单细胞表达定量分析系统
5. 超敏多因子电化学发光分析仪设备 MSD