

Personal resume



中国科学技术大学

University of Science and Technology of China



Name: Ke Liu PhD Program, Third Year

Tel: 18256057448 Mail: liuke98@mail.ustc.edu.cn

Education

- 2016.09-2020.06 Bachelor's degree, Food Science and Engineering, Hefei University of Technology, China
- 2020.09-Present PhD Student, Cell Biology, University of Science and Technology of China, China

Publication

- (1) Jiajia He[#]; **Ke Liu[#]**; Shengnan Zheng; Yifan Wu; Chenhui Zhao; Shuaijie Yan; Ling Liu; Ke Ruan; Xiaopeng Ma^{*}; Chuanhai Fu^{*}; **The acyl-CoA-binding protein Acb1 regulates mitochondria, lipid droplets, and cell proliferation, *FEBS Letters*, 2022, 596(14): 1795-1808**
- (2) Jiajia He[#]; **Ke Liu[#]**; Yifan Wu; Chenhui Zhao; Shuaijie Yan; Jia-Hui Chen; Lizhu Hu; Dongmei Wang; Fan Zheng; Wenfan Wei; Chao Xu; Chengdong Huang; Xing Liu; Xuebiao Yao; Lijun Ding; Zhiyou Fang^{*}; Ai-Hui Tang^{*}; Chuanhai Fu^{*}; **The AAA-ATPase Yta4/ATAD1 interacts with the mitochondrial divisome to inhibit mitochondrial fission, *PLoS Biology*, 2023, 21(8)**
- (3) Jiajia He[#]; **Ke Liu[#]**; Chuanhai Fu^{*}; **Recent insights into the control of mitochondrial fission, *Biochemical Society Transactions*, 2024, 52(1): 99-110**
- (4) Ling Liu[#]; Yifan Wu; **Ke Liu**; Mengdan Zhu; Shouhong Guang; Fengsong Wang; Xing Liu; Xuebiao Yao; Jiajia He^{*}; Chuanhai Fu^{*}; **The absence of the ribosomal protein Rpl2702 elicits the MAPK-mTOR signaling to modulate mitochondrial morphology and functions, *Redox Biology*, 2024, 73: 103174**
- (5) Chenhui Zhao[#]; **Ke Liu[#]**; Yifan Wu; Shuaijie Yan; Jiajia He; Chuanhai Fu^{*}. **The 1-acylglycerol-3-phosphate acyltransferase Slc1 is required to regulate mitochondria and lipid droplets, *Microbiology Research*, 2025 Apr;293:128080.**

Scientific activities

- 2023.04 The 18th National Membership Representative Assembly and 2023 National Academic Conference of the Chinese Society for Cell Biology (Suzhou, China) (Poster presentation)
- 2023.05 Advanced Imaging for Cell Discovery and SSCB-CD Symposia (Hefei, China) (Poster presentation)
- 2024.04 The 2024 National Academic Conference of the Chinese Society for Cell Biology (Fuzhou, China) (Poster presentation-"Beyotime" Outstanding Poster Award)
- 2024.07 CSCB-ASCB-APOCB Joint Symposium & International Conference on Cellular Dynamics and Chemical Biology 2024 (Hefei, China) (Flash presentation)

Awards

- 2021-2023 First-Class Academic Scholarship for Graduate Students
- 2022.12 National Scholarship for Graduate Students
- 2023.10 TCI Special Scholarship
- 2024.05 Chinese Society for Cell Biology – "Beyotime" Outstanding Poster Award
- 2024.07 Second Prize in Oral Presentation, Graduate Summer Forum
Key Laboratory of Membraneless Organelles & Cell Dynamics