

### Academic Qualifications:

- (1) 2012-09 to 2016-06, China Pharmaceutical University, Biopharmaceutical Technology (excellent engineer), Bachelor of Engineering
- (2) 2016-09 to 2019-06, China Pharmaceutical University, Pharmaceutical Engineering (excellent engineer), Master of Science
- (3) 2020-09 to 2024-01, Hong Kong Polytechnic University, Health Technology and Informatics, Doctor of Philosophy

### Professional Appointments:

- (1) 2017-03 to 2019-06, Beijing Sanyuan Jiyin Engineering Co.,Ltd., Department of Research and Development, Research Intern
- (2) 2023-09 to 2024-06, Hong Kong Polytechnic University, Department of Health Technology and Informatics, part-time Research Associate
- (3) 2024-06 to 2024-09, Hong Kong Polytechnic University, Department of Health Technology and Informatics, full-time Research Associate
- (4) 2024-09 to date, Hong Kong Polytechnic University, Department of Health Technology and Informatics, postdoc fellow

### Awards:

- (1) 8-9 May 2023, Best Presentation Awards, the first PolyU Research Student Conference, Hong Kong Polytechnic University
- (2) 14 Jun 2023, 2<sup>nd</sup> Prize, HTI Postgraduate Symposium 2023, Department of Health Technology and Informatics, Hong Kong Polytechnic University
- (3) 10-13 June 2024, Travel Grant, The European Association for Cancer Research
- (4) 29-30 August 2024, Best Presentation Awards, the 2<sup>nd</sup> PolyU Research Student Conference, Hong Kong Polytechnic University

### Publications:

- (1) **Xian Liu**; Liang-Ting Lin; Abstracts (Targeting MSI1-S347 Phosphorylation: Decoy Peptide Suppression of GBM Invasion and Tumor Formation), *Molecular oncology*, 2024,18:125

(2) **Xian Liu**; Ju-Yu Chen; Yueh Chien; Yi-Ping Yang; Ming-Teh Chen; Liang-Ting Lin; Overview of the molecular mechanisms of migration and invasion in glioblastoma multiforme, Journal of the Chinese Medical Association, 2021, 84(7): 669-677

(3) Wang Shiya; Cao Mingyi; Chen Yifei; Lin Jingjing; Li Jiahao; Wu Xinyu; Dai Zhiyue; Pan Yuhao; Liu Xiao; **Liu Xian**; Lin Liang-Ting; Wu Jianbing; Liu Ji; Zhong Qifeng; Yuan Zhenwei. Advancements and Applications in Radiopharmaceutical Therapy, Chinese Journal of Natural Medicines, 2024, 23: 1-22

(4) Jun Yan; Kaizhen Wang; Lijuan Gui; **Xian Liu**; Yingying Ji; Jingjing Lin; Man Luo; Hong Xu; Jingxuan Lv; Fang Tan; Liangting Lin; Zhenwei Yuan; Diagnosing Orthotopic Lung Tumor Using a NTR-Activatable Near-Infrared Fluorescent Probe by Tracheal Inhalation, analytical chemistry, 2023, 95(38): 14402-14412

(5) Lijuan Gui, Kaizhen Wang, Yuxin Wang, Jun Yan, **Xian Liu**, Jingxuan Guo, Ji Liu, Dawei Deng, Haiyan Chen, Zhenwei Yuan, Monitoring the pH fluctuation of lysosome under cell stress using a near-infrared ratiometric fluorescent probe, Chinese Chemical Letters, Volume 34, Issue 3, 2023, 107586, ISSN 1001-8417

(6) Ruixi Li; Jingxuan Guo; Yishan Duan; **Xian Liu**; Lijuan Gui; Yue Xu; Xiangkai Kong; Yongjun Li; Haiyan Chen; Zhenwei Yuan; Monitoring inflammation-cancer progression by cell viscosity, polarity and leucine aminopeptidase using multicolor fluorescent probe, Chemical Engineering Journal, 2022, 435(2)

(7) Yue Xu; Hua Li; Shufen Xu; **Xian Liu**; Jingjing Lin; Haiyan Chen; Zhenwei Yuan; Light-Triggered Fluorescence Self-Reporting Nitric Oxide Release from Coumarin Analogues for Accelerating Wound Healing and Synergistic Antimicrobial Applications, Journal of Medicinal Chemistry, 2021, 2022(65): 424-435

(8) **刘娴**; 茹莉莉; 杨大军; 吴京雷; 重组蛋白药物电荷异质性的分析技术研究进展, 药物生物技术, 2018, 25(5): 461-466

#### Patent:

(1) 林亮廷; 陈如玉; **刘娴**; 一种重组质粒及其构建方法、重组影像系统与应用, 2021-3-10, 中国, 202110259533 .1

(2) 杨大军; 茹莉莉; **刘娴**; 吴京雷; 韩志刚; 程永庆; 亲和层析定量检测重组人 $\alpha$ 干扰素工艺中间体含量的方法, 2018-9-14, 中国, 201811076860 .8