



長庚大學
CHANG GUNG UNIVERSITY

生物醫學研究所

Graduate Institute of Biomedical Sciences

博士學位論文口試

Doctoral Oral Defence Seminar

Speaker：劉巧柔 博士候選人

Chiao-Rou Liu Ph.D. Candidate

Host：蘇剛毅 (Kang-Yi Su) 教授

Advisor：吳治慶 (Chih-Ching Wu) 教授

Title：Lymphocyte cytosolic protein 1 is upregulated by
the EGFR signaling and drives cancer progression
through the JAK2/STAT3/IL-1 β axis in oral cancer

Time：2025/09/26 13:00

Place：第一醫學大樓9樓 B 區會議室 (Conference Room
of Area B, 9F, The First Medical Science Building)

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of
BioMedical Sciences

CURRICULUM VITAE

Name : 劉巧柔 (Chiao-Rou Liu)

Education

2020 - present **Doctor of Philosophy**

Graduate Institute of Biomedical Sciences, College of Medicine, Chang Gung University, Taoyuan, Taiwan

2017-2019 **Master of Science**

Graduate Institute of Medical Biotechnology and Laboratory Science, Chang Gung University, Taoyuan, Taiwan

2013-2017 **Bachelor of Public Health**

Department of Public Health, Chung Shan Medical University, Taichung, Taiwan

Publication

1. **Liu, C. R.**, Yang, C. Y., Chang, K. P., Chan, X. Y., Hung, C. M., Lai, K. M., Liu, H. P., & Wu, C. C. (2025). LCP1 upregulation via EGFR signaling promotes oral cancer progression through the JAK2/STAT3/IL-1 β axis. *Cancer Cell International* (Accepted on 2025/08/29)
2. Chan, X. Y., Chang, K. P., Yang, C. Y., **Liu, C. R.**, Hung, C. M., Huang, C. C., Liu, H. P., & Wu, C. C. (2024). Upregulation of ENAH by a PI3K/AKT/ β -catenin cascade promotes oral cancer cell migration and growth via an ITGB5/Src axis. *Cellular & Molecular Biology Letters*, 29(1), 136.
3. Chu, H. W., Chang, K. P., Yen, W. C., Liu, H. P., Chan, X. Y., **Liu, C. R.**, Hung, C. M., Wu, C. C. (2023). Identification of salivary autoantibodies as biomarkers of oral cancer with immunoglobulin A enrichment combined with affinity mass spectrometry. *Proteomics*, 23(9), 2200321.
4. Yen, W. C., Chang, I. Y. F., Chang, K. P., Ouyang, C. N., **Liu, C. R.**, Tsai, T. L., ... & Yang, C. Y. (2022). Genomic and molecular signatures of successful patient-derived xenografts for oral cavity squamous cell carcinoma. *Frontiers in Oncology*, 12, 792297.
5. Yang, C. Y., **Liu, C. R.**, Chang, I. Y. F., Ouyang, C. N., Hsieh, C. H., Huang, Y. L., ... & Chang, K. P. (2020). Cotargeting CHK1 and PI3K synergistically suppresses tumor growth of oral cavity squamous cell carcinoma in patient-derived xenografts. *Cancers*, 12(7), 1726.

Posters

- 2024.6 Ph.D. Thesis Poster Competition, Graduate Institute of Biomedical Sciences, College of Medicine, Chang Gung University
- 2023.9 Poster Presentation HUPO – 22nd Human Proteome Organization World Congress Busan, South Korea
- 2023.6 Ph.D. Thesis Poster Competition, Graduate Institute of Biomedical Sciences, College of Medicine, Chang Gung University
- 2022.6 Master Thesis Oral Competition, Graduate Institute of Medical Biotechnology and Laboratory Science, Chang Gung University

Oral presentation

- 2023.6 **Ph.D. Thesis Poster Competition, Graduate Institute of Biomedical Sciences, College of Medicine, Chang Gung University**
Chiao-Rou Liu, Chih-Ching Wu. Proteomic analysis of tumor tissues reveals LCP1 as a potential regulator involved in oral cancer recurrence
- 2023.3 **The 37th Joint Annual Conference of Biomedical Science Oral Competition, Taipei City, Taiwan**
Chiao-Rou Liu, Chih-Ching Wu. Identification of salivary autoantibodies as biomarkers of oral cancer with immunoglobulin A enrichment combined with affinity mass spectrometry.
- 2020.6 **Master Thesis Oral Competition, Graduate Institute of Medical Biotechnology and Laboratory Science, Chang Gung University**
Chiao-Rou Liu, Chia-Yu Yang, Chih-Ching Wu. Identification of therapeutic targets and biological pathways for oral cavity squamous cell carcinoma using proteomics approaches.

Awards

- 2024.6 **Popularity Award**
Ph.D. Thesis Poster Competition, Graduate Institute of Biomedical Sciences, College of Medicine, Chang Gung University
- 2023.6 **Popularity Award**
Ph.D. Thesis Poster Competition, Graduate Institute of Biomedical Sciences, College of Medicine, Chang Gung University

- 2023.6 **3rd Place Award**
Ph.D. Thesis Poster Competition, Graduate Institute of Biomedical Sciences,
College of Medicine, Chang Gung University
- 2023.3 **Merit Award**
The 37th Joint Annual Conference of Biomedical Science Oral Competition,
Taipei City, Taiwan
- 2019.6 **1st Place Award**
Master Thesis Oral Competition, Graduate Institute of Medical Biotechnology
and Laboratory Science, Chang Gung University