



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 : 古唯鼎 博士候選人
Wei-Ting Ku Ph.D. Candidate

Host : 楊佳郁 (Chia-Yu Yang) 副教授

Advisor : 林俊彥 (Chun-Yen Lin) 教授

Title : Integrated single-cell, and bulk profiling defines
a cytokine-driven CD38⁺HLA-DR⁺ CD8⁺ T-cell
underlying adverse outcomes in hepatocellular
carcinoma

Time : 2025/12/30 15:00-17:00

Place : 林口長庚醫院 研究大樓四樓會議室一

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of
BioMedical Sciences

CURRICULUM VITAE

Name : 古唯鼎 (英文 : Wei-Ting Ku)

Education :

- 2021 – present **Ph.D. student in Microbiology**
Graduate Institute of Biomedical Sciences, Chang
Gung University, Taoyuan, Taiwan
- 2017 – 2019 **M.S. in Pharmacology & Toxicology (GPA: 3.73)**
Tzu-Chi University, Hualien, Taiwan
- 2013 – 2017 **B.S. in Life Science (GPA: 3.39)**
Tzu-Chi University, Hualien, Taiwan

Publication :

Chien-Hao Huang, Wei-Ting Ku, Tsung-Han Wu, Po-Ting Lin, Wei Teng, Chao-Wei Lee, Wen-Juei Jeng, Wei-Ting Chen, Chen-Chun Lin, Shi-Ming Lin, Yung-Chang Lin, Chun-Yen Lin* (2025) Reply to the Letter to the Editor: Revisiting FOXP3 Expression and Its Prognostic Implications in Hepatocellular Carcinoma. *Hepatology* 2025, Online ahead of print. (Second author)

Chien-Hao Huang, Wei-Ting Ku, Wei Teng, Wen-Juei Jeng, Chun-Yen Lin* (2025) Letter to the Editor: Peripheral Foxp3-high Tregs as a dual biomarker for HCC prognosis and Immunotherapy response. *Hepatology* 2025, Online ahead of print. (Second author)

Chien-Hao Huang[#], Wei-Ting Ku[#], Jayashri Mahalingam[#], Cheng-Heng Wu, Tsung-Han Wu, Jian-He Fan, Chung-Wei Su, Po-Ting Lin, Chien-Wei Peng, Wei Teng, Wen-Juei Jeng, Wei-Ting Chen, Chen-Chun Lin, Shi-Ming Lin, I-Shyan Sheen, Yung-Chang Lin, Chun-Yen Lin* (2025) Tumor-migrating peripheral Foxp3-high regulatory T cells drive poor prognosis in hepatocellular carcinoma. *Hepatology* 2025, Online ahead of print. (Co-first author)

Wei Teng, Wei-Ting Ku, Po-Ting Lin, Guan-Ting Chen, LiChieh Julie Chu, Hsuan Liu, Yung-Chang Lin, Chun-Yen Lin* (2025) Baseline Serum EV-miR-1-3p as a protective factor and biomarker for hepatocellular carcinoma development after HCV eradication. *Journal of Translational Medicine* 2025, 23(1):722 (Second author)

Wei-Ting Ku, Jiun-Jia Tung, Tony Jer-Fu Lee, Kuo-Chu Lai* (2019) Long-Term Exposure to Oroxylin A Inhibits Metastasis by Suppressing CCL2 in Oral Squamous Cell Carcinoma Cells. *Cancers* 2019, 11(3):353. (First author)

Posters:

Wei-Ting Ku, Chien-Hao Huang, Jian-He Fang, Cheng-Heng Wu, Tsung-Han Wu, Po-Ting Lin, Wei Teng, Yen-Chun Liu, Chan-Keng Yang, Wen-Juei Jeng, Yung-Chang Lin, Chun-Yen Lin* (2025) CD38⁺HLA-DR⁺ CD8⁺ T cells define an innate-like bystander program linked to poor outcomes in hepatocellular carcinoma. AACR on Campus TAIWAN, Nov. 1-2, Taipei, Taiwan

Chien-Hao Huang, **Wei-Ting Ku**, Cheng-Heng Wu, Po-Ting Lin, Tsung-Han Wu, Wei Teng, Yi-Chung Hsieh, Wen-Juei Jeng, Wei-Ting Chen, Kung-Ming Chang, Shi-Ming Lin, I-Shyan Sheen, Chun-Yen Lin* (2025) Proinflammatory cytokines drive peripheral Foxp3-high Tregs into tumor sites: a reliable and accessible prognostic biomarker for HCC patients. EASL Congress 2025, May 7-10, Amsterdam, Netherlands.

Wei-Ting Ku, Chien-Hao Huang, Jian-He Fang, Cheng-Heng Wu, Tsung-Han Wu, Wei Teng, Po-Ting Lin, Chung-Wei Su, Yung-Chang Lin, Chun-Yen Lin* (2025) The GZMK CD8 T cells cluster defined by single-cell transcriptome profiling with innate-like functions is a predictor of survival in hepatocellular carcinoma patients. The American Association for Cancer Research Annual Meeting 2025, April 25-30, Chicago, IL, USA.

Wei-Ting Ku, Chien-Hao Huang, Jayashri Mahalingam, Cheng-Heng Wu, Tsung-Han Wu, Jian-He Fang, Chung-Wei Su, Po-Ting Lin, Chien-Wei Peng, Wei Teng, Wen-Juei Jeng, Wei-Ting Chen, Chen-Chun Lin, Shi-Ming Lin, I-Shyan Sheen, Yung-Chang Lin, Chun-Yen Lin* (2025) Peripheral Foxp3-high regulatory T cells develop into tumor-associated counterparts by proinflammatory cytokines and act as prognostic biomarker in patients with hepatoma. The American Association for Cancer Research Annual Meeting 2025, April 25-30, Chicago, IL, USA.

Hsiang-Wei Huang, Wen-Juei Jeng, Chia-Wei Lin, Jian-He Fang, Yen-Chun Liu, **Wei-Ting Ku**, Cheng-Heng Wu, Chien-Hao Huang, Yung-Chang Lin, Chun-Yen Lin* (2024) The impact of PD-1⁺ innate-like CD8⁺ T cells on the HBeAg reduction in active chronic hepatitis B patients receiving nucleos(t)ide analogue therapy. AASLD, The Liver Meeting 2024, November 15-19, San Diego, CA, USA.

Wei-Ting Ku, Chien-Hao Huang, Jian-He Fang, Cheng-Heng Wu, Tsung-Han Wu, Wei Teng, Po-Ting Lin, Chung-Wei Su, Yung-Chang Lin, Chun-Yen Lin* (2024) The GZMK CD8 T Cells Cluster Defined By Single-cell Transcriptome Profiling Significantly Impacts Overall Survival In Hepatocellular Carcinoma Patients. The 9th Federation of Immunological Societies of Asia-Oceania Congress (FIMSA 2024), October 23-27, Taipei, Taiwan.

Wei-Ting Ku, Chien-Hao Huang, Chun-Yen Lin* (2024) The GZMK CD8 T Cells Cluster Defined By Single-cell Transcriptome Profiling Significantly Impacts Overall Survival In Hepatocellular Carcinoma Patients. The Annual Conference of Graduate Institute of Biomedical Sciences, Chang Gung University 2024, June 11-12, Taoyuan, Taiwan.

Po-Ting Lin, **Wei-Ting Ku**, Tsung-Han Wu, Cheng-Heng Wu; Chan-Keng Yang; Wei Teng; Yung-Chang Lin; Chun-Yen Lin* (2024) A higher percentage of M2 macrophages

in non-tumor part predict the tumor recurrence in patients with hepatocellular carcinoma after surgical resection. The American Association for Cancer Research Annual Meeting 2024, April 5-10, San Diego, CA, USA.

Wei-Ting Ku, Chien-Hao Huang, Jayashri Mahalingam, Cheng-Heng Wu, Jian-He Fang, Tsung-Han Wu, Chung-Wei Su, Po-Ting Lin, Chien-Wei Peng, Wei Teng, Wen-Juei Jeng, Wei-Ting Chen, Chen-Chun Lin, Shi-Ming Lin, I-Shyan Sheen, Yung-Chang Lin, Chun-Yen Lin* (2023) Transcriptome-defined activated regulatory T cell as a survival predictor for hepatoma patients and migrate via CCR5/CCL5. Chang Gung Medical Week 2023, October 20-22, Taoyuan, Taiwan.

Wei-Ting Ku, Chien-Hao Huang, Chun-Yen Lin* (2023) The Single-Cell Landscape of Regulatory T Cells in Patients with Hepatocellular Carcinoma. The Annual Conference of Graduate Institute of Biomedical Sciences, Chang Gung University 2023, June 12-13, Taoyuan, Taiwan.

Chien-Hao Huang, Jayashri Mahalingam, Cheng-Heng Wu, Jian-He Fang, **Wei-Ting Ku**, Tsung-Han Wu, Po-Ting Lin, Chien-Wei Peng, Wei Teng, Wen-Juei Jeng, Wei-Ting Chen, Chen-Chun Lin, Shi-Ming Lin, I-Shyan Sheen, Yung-Chang Lin, Chun-Yen Lin* (2022) CCR5-expressed activated regulatory T cells accumulated in tumor microenvironment and predict survival in patients with hepatocellular carcinoma. AASLD, The Liver Meeting 2022, November 04-08, Washington, DC, USA.

Wei-Ting Ku, Tony Jer-Fu Lee, Kuo-Chu Lai* (2019) The anti-metastasis effects of oroxylin-A on oral squamous cell carcinoma cells. The 92nd Annual Meeting of the Japanese Pharmacological Society, March 14-16, Osaka, Japan.

Jiun-Jia Tung, Tony Jer-Fu Lee, **Wei-Ting Ku**, Kuo-Chu Lai* (2017) Long-term exposure to Oroxylin A inhibits cell migration via suppressing CCL2 in oral squamous cell carcinoma cells. The American Association for Cancer Research Annual Meeting 2017, April 1-5, Washington, DC, USA.

Oral presentation :

Peripheral Foxp3^{high} regulatory T cells develop into tumor-associated counterparts by proinflammatory cytokines and act as prognostic biomarker in patients with hepatoma. Chang Gung Medical Week 2025, October 20-22.

Peripheral Foxp3^{high} regulatory T cells develop into tumor-associated counterparts by proinflammatory cytokines and act as prognostic biomarkers in patients with hepatoma. KAIST-CGU Immunology Workshop, 2024, November 28.

Awards :

Outstanding Paper Award. Liver Disease Prevention & Treatment Research Foundation, 2025, August.

Silver Award. Chang Gung Medical Week 2025, October