



生物醫學研究所

Graduate Institute of Biomedical Sciences

博士學位論文口試

Doctoral Oral Defense Seminar

Speaker：蕭鼎峰

博士候選人

Ting-Feng Hsiao

Ph.D. Candidate

Host：余兆松 (Jau-Song Yu) 教授

Advisor：游佳融 (Chia-Jung Yu) 教授

Title：Discovery and functional characterization of
potential biomarkers for wild-type EGFR lung
adenocarcinoma via quantitative tissue
proteomics analysis

Time：2024/01/15 10:00

Place：長庚大學第一醫學大樓9樓 B 區會議室

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of
BioMedical Sciences

CURRICULUM VITAE

Name : 蕭鼎峰 (英文 : Ting-Feng Hsiao)

Education :

2008.09-2012.06 Bachelor of Science
Department of Life Science, Fu Jen Catholic University, Taipei, Taiwan

2012.09-2015.01 Master of Science
Graduate Institute of Biotechnology, National Chung Hsing University, Taichung, Taiwan

2015.09-2018.06 Bachelor of Laws
Graduate Department of Law, Fu Jen Catholic University, Taipei, Taiwan

Publication :

1. Feng, H. P., Cheng, H. Y., **Hsiao, T. F.**, Lin, T. W., Hsu, J. W., Huang, L. H., and Yu, C. J. (2021) ArfGAP1 acts as a GTPase-activating protein for human ADP-ribosylation factor-like 1 protein. *FASEB J* 35, e21337
2. Ko, C. J., Hsu, T. W., Wu, S. R., Lan, S. W., **Hsiao, T. F.**, Lin, H. Y., Lin, H. H., Tu, H. F., Lee, C. F., Huang, C. C., Chen, M. M., Hsiao, P. W., Huang, H. P., and Lee, M. S. (2020) Inhibition of TMPRSS2 by HAI-2 reduces prostate cancer cell invasion and metastasis. *Oncogene* 39, 5950-5963
3. **Hsiao, T. F.**, Wang, C. L., Wu, Y. C., Feng, H. P., Chiu, Y. C., Lin, H. Y., Liu, K. J., Chang, G. C., Chien, K. Y., Yu, J. S., and Yu, C. J. (2020) Integrative Omics Analysis Reveals Soluble Cadherin-3 as a Survival Predictor and an Early Monitoring Marker of EGFR Tyrosine Kinase Inhibitor Therapy in Lung Cancer. *Clin Cancer Res* 26, 3220-3229

Posters:

1. **Hsiao, T. F.**, Wang, C. L., Wu, Y. C., Wu, C. C., Chuang W. Y., Yeh C. J., Yu, C. J. (2023) Discovery and functional characterization of potential biomarkers in wild-type EGFR lung adenocarcinoma by quantitative tissue proteome analysis. 2023 多體學及精準醫學聯合會議，臺北，臺灣
2. **Hsiao, T. F.**, Yu, C. J. (2023) Discovery and functional characterization of potential biomarkers in wild-type EGFR lung adenocarcinoma by quantitative tissue proteome analysis. 2023 長庚大學生物醫學研究所博士班論文海報競賽，桃園，臺灣
3. **Hsiao, T. F.**, Wang, C. L., Wu, Y. C., Wu, C. C., Yu, C. J. (2022) Discovery and functional characterization of potential biomarkers in wild-type EGFR lung adenocarcinoma by quantitative tissue proteome analysis. Poster Presentation HUPO 2022 Cancun, Mexico

4. **Hsiao, T. F.**, Yu, C. J. (2020) Integrative Omics analysis reveals soluble cadherin-3 as a survival predictor and an early monitoring marker of EGFR tyrosine kinase inhibitor therapy in lung cancer. 2020 長庚大學生物醫學研究所博士班論文海報競賽，桃園，臺灣
5. **Hsiao, T. F.**, Wang, C. L., Chiou, I. C., Lin, H. Y., Yu, C. J., (2019) Quantitative pleural effusion proteomics reveals the drug resistance-associated and prognostic biomarkers in lung adenocarcinoma. Poster Presentation HUPO 2019 - 18th Human Proteome Organization World Congress Adelaide, Australia URL: <http://hupo-2019.p.asnevents.com.au/days/2019-09-16/abstract/64711>
6. **Hsiao, T. F.**, Wang, C. L., Wu, Y. C., Wu, C. C., Yu, C. J., (2019) Super-SILAC based quantitative phosphoproteomics reveals the potential biomarkers in lung cancer. Experimental Biology 2019 Meeting Orlando, Florida, USA
URL: https://www.fasebj.org/doi/10.1096/fasebj.2019.33.1_supplement.lb238
7. Yu, C. J., Chiou, I. C., Wang, C. L., **Hsiao, T. F.**, (2018) Discovering drug resistance-associated biomarkers from malignant pleural effusion of lung cancer by quantitative proteomic approaches. Experimental Biology 2018 Meeting San Diego, California, U SA
URL: https://www.fasebj.org/doi/abs/10.1096/fasebj.2018.32.1_supplement.lb107
8. **Hsiao, T. F.**, Chiou, I. C., Wang, C. L., Yu, C. J. (2018) Quantitative pleural effusion proteomics reveals the drug resistance associated and prognostic biomarkers in lung adenocarcinoma. 2018 台灣蛋白質學會年會，臺中，臺灣

Oral presentation:

1. Discovery and functional characterization of potential biomarkers in wild-type EGFR lung adenocarcinoma by quantitative tissue proteome analysis (2023) 長庚醫學周-第十五屆紀念王創辦人永慶先生學術研討會，桃園，台灣
2. 利用定量組織蛋白質體學與功能性分析鑑定在野生型表皮生長因子肺腺癌的相關生物標誌 (2023) 長庚大學生物醫學研究所博士班論文口頭競賽，桃園，台灣
3. Integrative Omics Analysis Reveals Soluble Cadherin-3 as a Survival Predictor and an Early Monitoring Marker of EGFR Tyrosine Kinase Inhibitor Therapy in Lung Cancer (2022) 徐千田優秀論文競賽，高雄，台灣
4. 整合體學分析顯示可溶性 cadherin-3 可作為肺癌 EGFR 酪胺酸激酶抑制劑治療的生存預測指標和早期監測標誌 (2020) 長庚大學生物醫學研究所博士班論文口頭競賽 桃園，台灣

5. Screening and Verification of the potential serum biomarkers for prediction of EGFR-TKI treatment in lung adenocarcinoma by MRM-based quantitative proteomics approach. (2021) Asia-Oceania Human Proteome Organization Congress (AOHUPO), Busan, Korea
6. Screening and verification of the potential serum biomarkers for prediction of EGFR-TKI treatment in lung adenocarcinoma by MRM-based quantitative proteomics approach. 2019多體學及精準醫學聯合會議，臺南，臺灣

Awards :

2018.11	2 nd Best Poster Award	2018 Annual Meeting of Taiwan Proteomics Society, Taichung, Taiwan
2019.12	3 rd Oral Presentation Award	2019 Multiomics and Precision Medicine Joint Conference, Tainan, Taiwan
2020.07	1 st Oral Presentation Award	Chang Gung University GIBMS 2020 Regulation of Doctoral Poster Competition, Taoyuan, Taiwan
2021.06	Young Scientist Award	10 th Asia-Oceania Human Proteome Organization Congress (AOHUPO), Busan, Korea
2022.01	Oral Presentation Award	The 28 th Symposium on Recent Advances in Cellular and Molecular Biology, Kaohsiung, Taiwan
2022.12	Travel Award	21 st Human Proteome Organization World Conference, Cancun, Mexico
2023.6	Oral Presentation Award	Chang Gung University GIBMS 2023 Regulation of Doctoral Poster Competition, Taoyuan, Taiwan
2023.10	2 nd Oral Presentation Award	2023 Chang Gung Medical Week Taoyuan, Taiwan
2023.11	Best Poster Award	2023 Multiomics and Precision Medicine Joint Conference, Tainan, Taiwan