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：吳冠妤 博士候選人
Kuan-Yu Wu Ph.D. Candidate

Host ：陳景宗(Jin-Chung Chen) 教授

Advisor：黃國正(Guo-Jen Huang) 教授

Title：Stk24 deficiency causes disrupted hippocampal neurogenesis and anxiety-like behavior in mice

Time：2025 年5 月7 日13:00

Place：第一醫學大樓五樓健康老化中心會議室

※※※ 歡迎參加 Welcome※※※

生物醫學研究所
Graduate Institute of
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CURRICULUM VITAE

Name : Kuan-Yu Wu

Education :

2016.9-2020.6
Department of Medical Biotechnology and Laboratory Science, Chang Gung University

2020.7-
Graduate Institute of Biomedical Sciences, College of Medicine, Chang Gung University

Publication :

Wu, K. Y., Tsao, C. H., Su, N. C., Deng, S. M., Huang., G. J. (2025). Stk24 deficiency causes disrupted hippocampal neurogenesis and anxiety-like behavior in mice. *Communications Biology*, accepted.

Tsao, C. H., **Wu, K. Y.**, Su, N. C., Edwards, A., & Huang, G. J. (2023). The influence of sex difference on behavior and adult hippocampal neurogenesis in C57BL/6 mice. *Scientific Reports*, 13(1), 17297.

Yeh, C. Y., **Wu, K. Y.**, Huang, G. J., & Verkhratsky, A. (2023). Radial stem astrocytes (aka neural stem cells): Identity, development, physio-pathology, and therapeutic potential. *Acta Physiologica*, 238(2), e13967.

Eu, W. Z., Chen, Y. J., Chen, W. T., **Wu, K. Y.**, Tsai, C. Y., Cheng, S. J., ... & Huang, G. J. (2021). The effect of nerve growth factor on supporting spatial memory depends upon hippocampal cholinergic innervation. *Translational psychiatry*, 11(1), 162.

Posters:

Investigating the Roles of Trak1 in Neurophysiology and Animal Behavior in Conditional Knockout Mice, *doctoral thesis poster competition, Chang Gung University*, 2022

Pleckstrin Homology Domain Containing A2 (PLEKHA2) Contributes to Synaptic Plasticity in the Hippocampus via the Regulation of Glutamate Transmission, *doctoral thesis poster competition, Chang Gung University*, 2023

Oral presentation :

Too much of a good thing? Tapp2 and glutamate excitotoxicity in learning, *3 Minute Thesis Competition of Life Science*, 2022

Role of Pleckstrin Homology Domain Containing A2 in the Hippocampus, *Joint Annual Conference of Biomedical Science,* 2023

Awards :

Too much of a good thing? Tapp2 and glutamate excitotoxicity in learning, 佳作, *3 Minute Thesis Competition of Life Science*, 2022

Role of Pleckstrin Homology Domain Containing A2 in the Hippocampus, 第四名, *Joint Annual Conference of Biomedical Science*, 2023