



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：江歡容 博士候選人

Huan-Jung Chiang Ph.D. Candidate

Host：王貞仁（Jen-Ren Wang）教授

Advisor：施信如（Shin-Ru Shih）教授

Title：Genome-wide CRISPR/Cas9 knockout
screens reveal important host factors for CV-
A6 infection

Time：2025/1/10 13:00

Place：Conference Room 2, 11th Floor, The First
Medical Science Building, Chang Gung
University

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of
BioMedical Sciences

CURRICULUM VITAE

Name : 江歡容 (英文 : Huan-Jung Chiang)

Education :

- 2012-2016 B. S., Department of Biomedical Science, Chang Gung University. (Graduated with GPA 3.88 on scale 4.00)
- 2016-2017 M. S., Graduate Institute of Medical Biotechnology and Laboratory Science, College of Medicine, Chang Gung University. (Graduated with GPA 4.00 on scale 4.00)

Publication :

1. Kuei-Ching Hsiung, **Huan-Jung Chiang**, Sebastian Reinig, Shin-Ru Shih. "Vaccine Strategies Against RNA Viruses: Current Advances and Future Directions" (Vaccines 2024, 12(12), 1345; <https://doi.org/10.3390/vaccines12121345>)
2. **Huan-Jung Chiang***, Hsin-Hsin Peng*, Kuo-Feng Weng*, Kuei-Ching Hsiung, Chieh-Yu Liang, Shun-Li Kuo, David M Ojcius, John Ding-E Young, Shin-Ru Shih. "Mineralo-organic particles inhibit influenza A virus infection by targeting viral hemagglutinin activity" (*These authors contributed equally to this work) (Nanomedicine (Lond). 2024;19(28):2375-2390. doi: 10.1080/17435889.2024.2403326. Epub 2024 Sep 25.)
3. Yu-An Kung*, **Huan-Jung Chiang***, Mei-Ling Li, Yu-Nong Gong, Hsin-Ping Chiu, Chuan-Tian Hung, Peng-Nien Huang, Sheng-Yu Huang, Pei-Yu Wang, Tsu-An Hsu, Gary Brewer and Shin-Ru Shih. "Acyl-CoA synthetase long-chain family member 4 involved in viral replication organelle formation and facilitates virus replication through ferroptosis" (*These authors contributed equally to this work) (mBio, 2022 Jan 18;13(1):e0271721. doi: 10.1128/mbio.02717-21.).
4. Yu-An Kung*, Kuo-Ming Lee*, **Huan-Jung Chiang***, Sheng-Yu Huang, Chung-Jung Wu, Shin-Ru Shih. "Molecular virology of SARS-CoV-2 and related coronaviruses" (*These authors contributed equally to this work) (Microbiol Mol Biol Rev., 2022 Jun 15;86(2):e0002621. doi: 10.1128/mmbr.00026-21. Epub 2022 Mar 28.)
5. Sheng-Yu Huang*, Yu-An Kung*, Peng-Nien Huang*, Shen-Yu Chang, Yu-Nong Gong, Yi-Ju Han, **Huan-Jung Chiang**, Kuan-Ting Liu, Chung-Guei Huang, Chia-Yu Chang, Chia-Ching Chang, Shin-Ru Shih. "The stability of SARS-CoV-2 spike G614 variant surpasses D614 after cold storage." (*These authors contributed equally to this work) (mSphere. 2021 Mar 31;6(2):e00104-21. doi: 10.1128/mSphere.00104-21)
6. Kuan-Ting Liu; Chung-Guei Huang; Yu-Nong Gong; Peng-Nien Huang; Kar-Yee Yu; Hou-Chen Lee; Sun-Che Lee; **Huan-Jung Chiang**; Yu-An Kung; Yueh-Te Lin; Mei-Jen Hsiao; Po-Wei Huang; Sheng-Yu Huang; Hsin-Tai Wu; Chih-Ching Wu; Rei-Lin Kuo; Chuan-Tien Hung; Kasopefoluwa Y. Oguntuyo; Christian S. Stevens; Sheryas Kowdle; Hsin-Ping Chiu; Benhur Lee; Guang-Wu Chen; Shin-Ru

Shih. “Quantifying Neutralizing Antibodies in Patients with COVID-19 by Two-variable Generalized Additive Model”. (mSphere, 2022 Feb 23;7(1):e0088321. doi: 10.1128/msphere.00883-21. Epub 2022 Feb 2.)

7. Jing-Yi Lin, Kuo-Feng Weng, Chih-Kuang Chang, Yu-Nong Gong, Guo-Jen Huang, Hui-Lan Lee, Yen-Cheng Chen, Chien-Chin Huang, Jia-Ying Lu, Peng-Nien Huang, **Huan-Jung Chiang**, Che-Min Chen, and Shin-Ru Shih “Enterovirus A71 Induces Neurological Diseases and Dynamic Variants in Oral Infection of Human SCARB2-Transgenic Weaned Mice” (J Virol. 2021 Aug 11:JVI0089721. doi: 10.1128/JVI.00897-21)

Posters:

1. 42nd Annual Meeting of the American Society for Virology (ASV 2023) (Poster presentation)
2. International Symposium on RNA Viruses, Research Center for Emerging Viral Infections, 2023 (Poster presentation)
3. PhD poster competition at Chang Gung University's Graduate Institute of Biomedical Sciences, 2023 (Poster presentation)
4. PhD poster competition at Chang Gung University's Graduate Institute of Biomedical Sciences, 2024 (Poster presentation)

Oral presentation :

1. PhD poster competition at Chang Gung University's Graduate Institute of Biomedical Sciences, 2023
2. The 22nd meeting of the European Study Group on the Molecular Biology of Picornaviruses (EUROPIC), 2024

Awards :

1. Yu-Chuan Foundation merit award for outstanding thesis in life science, 2016.
2. Scholarship from Molecular Medicine Research Center at Chang Gung University, 2023
3. American Society for Virology 2023 Student Travel Award
4. First place in the PhD poster competition at Chang Gung University's Graduate Institute of Biomedical Sciences, 2023