

Name (姓名):

Liu Yo-Min 劉佑民

Current position (現職):

Postdoctoral Researcher at Academia Sinica

Genomics Research Center

中央研究院基因體中心博士後研究員

**Field of Research (專長):**

Protein engineering 蛋白工程, glycobiology 醣生物學, virology 病毒學, Vaccines 疫苗
製程

Background (學經歷):

2000~2006 NCHU Veterinary Medicine (Bachelor) 中興獸醫學士

2006~2008 NYMU Physiology Department (Masters) 陽明生理碩士

2009~2010 NTU Veterinary Medicine (Research Assistant) 台大獸醫研究助理

2011~2012 CDC Center for Serum and Vaccine (Research Assistant) 疾管局研究助理

2013~2015 Adimmune Corp. R&D Department (Researcher) 國光研發部研究員

2016~2021 NYCU Microbiology and Immunology Department (PhD) 陽交大微免博士

2022~2026 Academia Sinica GRC (Postdoctoral Researcher) 中研院基因體中心博後

Publications related to this talk (演講主題相關論文):

1. Liu YM, Shahed-Al-Mahmud M, Chen X, Chen TH, Liao KS, Lo JM, Wu YM, Ho MC, Wu CY, Wong CH, Jan JT, Ma C. A Carbohydrate-Binding Protein from the Edible Lablab Beans Effectively Blocks the Infections of Influenza Viruses and SARS-CoV-2. *Cell Reports*. 2020 Aug 11;32(6):108016. doi: 10.1016/j.celrep.2020.108016.

2. Daniell H, Nair SK, Guan H, Guo Y, Kulchar RJ, Torres MDT, Shahed-Al-Mahmud M, Wakade G, Liu YM, Marques AD, Graham-Wooten J, Zhou W, Wang P, Molugu SK, de Araujo WR, de la Fuente-Nunez C, Ma C, Short WR, Tebas P, Margulies KB, Bushman FD, Mante FK, Ricciardi RP, Collman RG, Wolff MS. Debulking different Corona (SARS-CoV-2 delta, omicron, OC43) and Influenza (H1N1, H3N2) virus strains by plant viral trap proteins in chewing gums to decrease infection and transmission. *Biomaterials*. 2022 Sep;288:121671. doi: 10.1016/j.biomaterials.2022.121671.

3. Liu YM, Nguyen HTV, Chen X, Md. Shahed-Al-Mahmud M, Chen TH, Liao KS, Lo JM, Kan TC, Ren CT, Ma C. Altering the Carbohydrate-Binding Specificity of the Legume Lectin FRIL Through Structure-Guided Engineering. *Nature Communications* 17, 3528 (2026). doi: <https://doi.org/10.1038/s41467-026-70188-7>