

Ziwei(Zoe) Wu

Department of Microbiology and Immunology at the Peter Doherty Institute for Infection and Immunity,
University of Melbourne, VIC, Australia

Personal Homepage: <https://ziweiwuzw.github.io/Personal-Homepage/>

Education

The University of Melbourne (UoM)

Sep. 2024 – Present

Doctor of Philosophy – Medicine, Dentistry and Health
Sciences

Major: Microbiology and Immunology

Relevant Skills and Training Program: SCIE90006 – Scientists,
Communication & the Workplace (H1,
89/100)

Sun Yat-Sen University (SYSU)

Aug. 2021 – Jun. 2024

Master of Science

Major: Ecology (Honors Program: Evolutionary
Ecology)

GPA: 85.65/100

Fujian Agriculture and Forestry University (FAFU)

Sep. 2017 – Jun. 2021

Bachelor of Agriculture, summa cum laude

Majors: Plant Science and Technology

GPA: 3.5/5 (85/100)

Teaching & Professional Experience ([*More information*](#))

1. Techniques in Microbiology (MIIM30016) Mar. 2025 – Jun. 2025
Bioinformatics Demonstrator
2. Undergraduate Ecological Comprehensive Experiment Mar. 2023 – Jun. 2023
Laboratory Assistant
3. Undergraduate Biochemical Experiment Oct. 2022 – Jan. 2023
Laboratory Assistant
4. English–Chinese translation of a sustainable development report Oct. 2022 – Nov. 2022
[United Nations Volunteers Translator](#)
5. Undergraduate Ecological Comprehensive Experiment Mar. 2022 – Jun. 2022

Publication (*Corresponding author; *Co-first author/Equal contribution)

1. Terance Ho Him Wong, Lai Him Chow⁺, **Ziwei Wu⁺** et al. Neuromodulatory roles of dopamine and acetylcholine in mediating agonistic behaviors of boxer shrimps (*Stenopus* species), 27 August 2025, PREPRINT, Research Square. DOI: 10.21203/rs.3.rs-7308337/v1
2. Ricky Wai Tak Leung⁺, **Ziwei Wu⁺**, Ling Ming Tsang et al. Discovery of influenza-like virus clades in invertebrates and the evolutionary history and host shifting events of Orthomyxoviridae in metazoans, *Virus Evolution*, 2025;, veaf039, <https://doi.org/10.1093/ve/veaf039> (IF = 5.5; Q1)
3. **Wu Z.**, Chu K.H.*, Ma K.Y.*. Transcriptome Analysis of Multiple Tissues in the Shrimp *Penaeus vannamei* Reveals the Typical Physiological Response to Three Pathogens[J]. *Journal of Marine Science and Engineering*. 2023; 11(2):389. DOI: 10.3390/jmse11020389 (IF = 2.9; Q1)
4. Veresoglou, S.D.*, Chen J.⁺, ... **Wu Z.⁺** et al. (2023). No-tillage outperforms conventional tillage under arid conditions and following fertilization. *Soil Ecology Letters*. 5, 137–141 (2023). DOI: 10.1007/s42832-022-0145-3 (IF = 4.1; Q2)

Honors and Awards

1. National Scholarship for Postgraduates in 2023
2. **Gold** and **Bronze** Awards at the International Genetically Engineered Machine (iGEM) in 2021 and 2019, respectively.
3. Nominated for Best Sustainability (7/320 international student team) at iGEM in 2021
4. Second Prize Scholarship (8% students) in 2020
5. Advanced Individual in Social Work and Excellent Volunteer in Cangshan District

Skills and Hobbies

Software: Proficient in R (preferred for analysis and plotting), strong command of Perl programming (primary tools), familiar with Python (supplementary tools), limited exposure to Java

Hobbies: Avid Reader & Passionate Cook & Food Enthusiast & Animal Lover

Stay curious forever, be willing to embrace everything, and excel at learning from scratch.