

Ziwei(Zoe) Wu

Department of Microbiology and Immunology at the Peter Doherty Institute for Infection and Immunity,
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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) Bioinformatics Demonstrator	Mar. 2025 – Jun. 2025
2. Undergraduate Ecological Comprehensive Experiment Laboratory Assistant	Mar. 2023 – Jun. 2023
3. Undergraduate Biochemical Experiment Laboratory Assistant	Oct. 2022 – Jan. 2023
4. English–Chinese translation of a sustainable development report <u>United Nations Volunteers Translator</u>	Oct. 2022 – Nov. 2022
5. Undergraduate Ecological Comprehensive Experiment	Mar. 2022 – Jun. 2022

Laboratory Assistant

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.