

CURRICULUM VITAE

PERSONAL PARTICULARS

Name LIU Yingzhi
Date of Birth 15th April 1991
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https://scholar.google.com/citations?user=dU_pJNoAAAAJ&hl=en



EDUCATION

Ph.D. Medical Sciences
Supervisors: Prof. William K. K. WU and Prof. Lin ZHANG
Department of Anaesthesia and Intensive Care, Faculty of Medicine
The Chinese University of Hong Kong
2019 – 2023

Master Public Health
The Jockey Club School of Public Health and Primary Care, Faculty of Medicine
The Chinese University of Hong Kong
2014 – 2015

Bachelor of Medicine Preventive Medicine
Guangzhou Medical University
2009 – 2014

PROFESSIONAL EXPERIENCE

Aug 2023 to Present Postdoctoral Fellow
Department of Anaesthesia and Intensive Care
Faculty of Medicine, The Chinese University of Hong Kong

Apr 2018 to Jun 2019 Research Assistant
Department of Anaesthesia and Intensive Care
Faculty of Medicine, The Chinese University of Hong Kong

Oct 2016 to Nov 2017 Junior Research Assistant
The Jockey Club School of Public Health and Primary Care
Faculty of Medicine, 11

Sep 2015 to Aug 2016 Research Fellow
Shanghai Mental Health Center
School of Medicine, Shanghai Jiao Tong University

TRAINING

Mar 2021 to 2023 Practices of Bioinformatics and High-Throughput Sequencing
Microbiota I-Center (MagIC), InnoHealth Hong Kong
The Chinese University of Hong Kong

Oct 2018 Introduction to Molecular Phylogenetics
HKU-Pasteur Research Pole
LKS Faculty of Medicine, Hong Kong University

Jun 2013 - Jul 2013 International exchange for medical students
Centre for Healthcare Transformation
Queensland University of Technology

AD HOC JOURNAL REVIEWER

Frontiers in Cardiovascular Medicine, Frontiers in Pharmacology, Frontiers in Microbiology, iMeta

ACADEMIC AWARDS

Postdoctoral Fellowship Scheme 2024-2025
University Grants Committee (UGC)

Best Abstract & Best Presentation Award Winner
The 6th Korea Digestive Disease Week, 2022

OTHER SOCIAL ACTIVITIES

2019 – 2020 Society for the Prevention of Cruelty to Animals (SPCA) | Volunteer
2020 – present Volunteer Blue Ocean Club NGO | Volunteer
2022 – 2023 Shaw college, the Chinese University of Hong Kong | Resident tutor

PUBLICATIONS

1. As first or ^co-first author

1. Peng Y[^], Zhu J[^], Wang S[^], **Liu Y[^]**, Liu X, DeLeon O, Zhu W, Xu Z, Zhang X, Zhao S, Liang S, Li H, Ho B, Ching JY, Cheung C, Leung TF, Tam, WH, Leung TY, Chang EB, Chan FKL, Zhang L*, Ng SC*, Tun HM*. (2024). Metagenome-Assembled Genome Inventory for Children (MAGIC) facilitates early-life gut bacteriome and virome studies. *Cell Host Microbe*, 32(12). [IF₂₀₂₃=20.6]
2. **Liu Y**, Chan MTV, Chan FKL, Wu WKK, Ng SC, Zhang L (2023) Lower gut abundance of *Eubacterium rectale* is linked to COVID-19 mortality. *Front Cell Infect Microbiol* 13:1249069. [IF₂₀₂₃=4.6]
3. Xu W[^], **Liu Y[^]**, Xuan Zou[^], HL Luo[^], Wu W, JJ Xia, Chan MTV*, Fang S, YL Shu, Wu WKK, Zhang L (2022) Hypozincemia in COVID-19 patients correlates with stronger antibody response. *Front Immunol* 12:785599. [IF₂₀₂₃=5.7]
4. Fang S[^], Zhang L[^], **Liu Y[^]**, Xu W[^], Wu W[^], Huang Z, Wang X, Liu H, Sun Y, Zhang R, Peng B, Liu X, Sun X, Yu J, Chan FKL, Ng SC, Wong SH, Wang MHT, Gin T, Joynt GM, Hui DSC, Feng T, Wu WKK, Chan MTV, Zou X, Xia J (2021) Lysosome activation in peripheral blood mononuclear cells and prognostic significance of circulating LC3B in COVID-19. *Brief Bioinform* 22(2):1466-1475. [IF₂₀₂₃=6.8]
5. **Liu Y[^]**, Ling L[^], Wong SH[^], Wang MHT[^], Fitzgerald J Ross, Zou X, Fang S, Liu X, Wang X, Hu W, Chan H, Wang Y, Huang D, Li Q, Wong WT, Choi G, Zou H, Hui DSC, Yu J, Tse G, Gin T, Wu WKK, Chan MTV, Zhang L (2021) Outcomes of respiratory viral-bacterial co-infection in adult hospitalized patients. *EClinicalMedicine* 37:100955. [IF₂₀₂₃=9.6]
6. **Liu Y**, Chu R, Lee A, Gomersall CD, Zhang L, Gin T, Chan MTV, Wu WKK, Ling L (2020) A surveillance method to identify patients with sepsis from electronic health records in Hong Kong: a single centre retrospective study. *BMC Infect Dis* 20(1):652. [IF₂₀₂₃=3.4]

2. As co-author

7. Zhang L[^], Xu[^], Meng[^] HYH, Ching JYL, **Liu Y**, Wang S, Yan S, Lin L, Cheong PK, Ip KL, Peng Y, Zhu J, Cheung CP, Leung TF, Leung ASY, Tam WH, Leung TY, Chan PKS, Chang EB, Rubin DT, Claud EC, Wu WKK, Tun HM, Chan FKL, Ng SC (2025) *Gut Microbes* 17 (1) [IF₂₀₂₃=12.2]
8. Wang S, **Liu Y**, Tam WH, Ching JYL, Xu W, Yan S, Qin B, Lin L, Peng Y, Zhu J, Cheung C P, Ip KL, Wong YM, Cheong P K, Yeung YL, Kan WHB, Leung TF, Leung TY, Chang EB, Rubin DT, Claud EC, Wu WKK, Tun HM, Chan FKL, Ng SC, Zhang L. (2024). Maternal gestational diabetes mellitus associates with altered gut microbiome composition and head circumference abnormalities in male offspring. *Cell Host Microbe*, 32(7), 1192-1206.e1195. [IF₂₀₂₃=20.6]
9. Peng Y, Zhang L, Mok CKP, Ching JYL, Zhao S, Wong M, Zhu J, Chen C, Wang S, Yan S, Qin B, **Liu Y**, Zhang X, Cheung CP, Cheong PK, Ip, KL, Fung ACH, Wong KKY, Hui DSC, Chan FKL, Ng SC, Tun HM (2023)

- Baseline gut microbiota and metabolome predict durable immunogenicity to SARS-CoV-2 vaccines. *Signal Transduct Target Ther* 8(1):373. [IF₂₀₂₃=40.8]
10. Li Q, Chan H, Liu WX, Liu CA, Zhou Y, Huang D, Wang X, Li, X, Xie C, **Liu Y**, Wang X, Ng SK, Gou H, Zhao LY, Fong W, Jiang L, Lin Y, Zhao G, Bai F, Liu X, Chen H, Zhang L, Wong SH, Chan MTV, Wu WKK, Yu J (2023) Carnobacterium maltaromaticum boosts intestinal vitamin D production to suppress colorectal cancer in female mice. *Cancer Cell* 41(8):1450-1465.e8. [IF₂₀₂₃=48.8]
 11. Huang D, Wang X, Huang Z, **Liu Y**, Liu X, Gin T, Wong S, Yu J, Zhang L, Chan M, Chen H, Wu WKK (2022) 3'untranslated regions of tumor suppressor genes evolved specific features to favor cancer resistance. *Oncogene* 41(23):3278-3288. [IF₂₀₂₃=6.9]
 12. Wang X, Cheng FTF, Lam TYT, **Liu Y**, Huang D, Liu X, Chen H, Zhang L, Ali Y, Wang MHT, Yu J, Gin T, Chan MTV, Wu WKK, Wong SH (2022) Stress hyperglycemia is associated with an increased risk of subsequent development of diabetes among bacteremic and nonbacteremic patients. *Diabetes Care* 45(6):1438-1444. [IF₂₀₂₃=14.8]
 13. Ng SC, Peng Y, Zhang L, Mok CK, Zhao S, Li A, Ching JY, **Liu Y**, Yan S, Chan DLS, Zhu J, Chen C, Fung AC, Wong KK, Hui DS, Chan FK, Tun HM (2022) Gut microbiota composition is associated with SARS-CoV-2 vaccine immunogenicity and adverse events *Gut* 71(6):1106-1116. [IF₂₀₂₃=23.0]
 14. Sun X, **Liu Y**, Huang ZH, Xu WY, Hu W, Yi L, Liu Z, Chan H, Zeng JD, Liu XD, Chen HR, Yu J, Chan FKL, Ng SC, Wong SH, Wang MHT, Gin T, Joynt GM, Hui DSC, Zou X, Shu YL, Cheng CHK, Fang SS, Luo HL, Lu J, Chan MTV, Zhang L, Wu WKK (2022) SARS-CoV-2 Non-Structural Protein 6 Triggers NLRP3-dependent Pyroptosis by Targeting ATP6AP1. *Cell Death Differ* 29(6):1240-1254. [IF₂₀₂₃=13.7]
 15. Chan H, Li Q, Wang X, **Liu Y**, Hu W, Zeng J, Xie C, Kwong TNY, Ho IHT, Liu X, Chen H, Yu J, Ko H, Chan RCY, Ip M, Gin T, Cheng ASL, Zhang L, Chan MTV, Wong SH, Wu WKK (2022) Vitamin D₃ and carbamazepine protect against *Clostridioides difficile* infection in mice by restoring macrophage lysosome acidification. *Autophagy* 18(9):2050-2067. [IF₂₀₂₃=14.6]
 16. Dan H, Wang X, **Liu Y**, Huang Z, Hu X, Hu W, Li Q, Chan H, Zou Y, Ho IHT, Wang Y, Cheng ASL, Kang W, To KF, Wang MHT, Wong SH, Yu J, Gin T, Zhang Q, Li Z, Shen J, Zhang L, Chan MTV*, Liu X*, Wu WKK* (2021) Multi-omic analysis suggests tumor suppressor genes evolved specific promoter features to optimize cancer resistance. *Brief Bioinform* 22(5): bbab040. [IF₂₀₂₃=6.8]
 17. Zhou J, Sun W, **Liu Y**, Yang S, Wu S, Wang S, Xiong D, Ho IH, Chan MTV, Wu WKK, Liu X, Xiao L (2021) Clinical Characteristics, Treatment Effectiveness, and Predictors of Response to Pharmacotherapeutic Interventions Among Patients with Herpetic-Related Neuralgia: A Retrospective Analysis. *Pain Ther* 10(2):1511-1522. [IF₂₀₂₃=4.1]
 18. Ng TH, Sham KWY, Xie CM, Ng SSM, To KF, Tong FvHM, **Liu Y**, Zhang L, Chan MTV, Wu WKK, Cheng CHK (2019) Eukaryotic elongation factor-2 kinases expression is an independent prognostic factor in colorectal cancer. *BMC Cancer* 19(1):649. [IF₂₀₂₃=3.4]

3. Conference papers

19. **Liu Y**, Wang S, Xu W, Ching JYL, Cheung CP, Hu J, Zhan H, Ip KL, Cheong PK, Leung TF, Tam WF, Leung TY, Tun HM, Chang EB, Rubin DT, Sun Y, Luo W, Miao Y, Chen G, Chan FKL, Ng SC, Zhang L (2024) The impact of food additive on maternal health and gut microbiome: prospective MOMmy cohort study. Digestive Disease Week (Oral presentation). *Gastroenterology* 166(5): S272-S273.
20. **Liu Y**, Lin W, Ching J, Hu J, Zhan H, Wang S, Leung TF, Tam WH, Leung TY, Tun HM, Chang E, David R, Claud R, Chan FCL, Ng SC, Zhang L (2022) The impact of food additive on maternal health and gut microbiome: prospective MOMmy cohort study. the 6th Korea Digestive Disease Week. *Gut and Liver* 16(Suppl 6):S1-S343.
21. Zhang L, Xu Z, Mak JWY, Xu W, **Liu Y**, Chan FKL, Ng SC (2022) Longitudinal multi-omics reveals mechanisms underlying beneficial effects of a novel microbiome immunity formula (SIM01) in COVID-19 patients. Digestive Disease Week. *Gastroenterology* 162(7):S68-S69.