



長庚大學
CHANG GUNG UNIVERSITY

生物醫學研究所

Graduate Institute of Biomedical Sciences

博士學位論文口試

Doctoral Oral Defense Seminar

Speaker：裴玉念

博士候選人

Bui Ngoc Niem

Ph.D. Candidate

Host：Chuan Chiang-Ni

Advisor：Chih-Ho Lai

Title：Investigating the role of *Helicobacter pylori* in
Epstein-Barr virus reactivation and co-
infection in viral oncogenesis

Time：14:00-16:00 3rd July 2025

Place：Discussion room M0860-1

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of
BioMedical Sciences

CURRICULUM VITAE

Name : Bui Ngoc Niem (中文：裴玉念)

Education : Ph.D. student, Graduate Institute of Biomedical Sciences,
Chang Gung University, Taoyuan, Taiwan

Publication :

1. **Ngoc-Niem Bui**, Shih-Chiang Huang, Thi Nhu Le Tran, Ngoc Hien Nguyen, Hang Nga Do, Ya-Fang Chiu, Chih-Ho Lai*. Response to Letter to Editor "Association between Epstein-Barr virus infection and gastric cancer". *QJM: An International Journal of Medicine*. May 27:hcaf123 (online ahead of print).
2. **Ngoc-Niem Bui**, Shih-Chiang Huang, Thi Nhu Le Tran, Ngoc Hien Nguyen, Hang Nga Do, Ya-Fang Chiu, Chih-Ho Lai*. Association between *Helicobacter pylori* and Epstein-Barr virus co-infection and gastric cancer risk: A systematic review and meta-analysis. *QJM: An International Journal of Medicine*. 2025 Apr 15:hcaf092 (online ahead of print).
3. Thi Nhu Le Tran, **Ngoc-Niem Bui***, Vu Trung Nguyen*, Ngoc Anh Tran. Novel DNA gyrase mutations in levofloxacin-resistant *Helicobacter pylori* isolates from southern Vietnam. *Journal of Microbiology, Immunology and Infection*, 2025 Aug 58(4):455-462.
4. Anh Tram Que, Anh Dao Tran, Thi Hong Nhung Trang, Thi Nhu Le Tran, **Ngoc-Niem Bui***, and Chih-Ho Lai*. Epidemiology and antimicrobial resistance patterns of urinary tract infection: insights and strategies from a 5-year serial cross-sectional study in Vietnam. *Ther Adv Infect Dis*. 2025 Feb 28 12:20499361251315346.
5. Wei-Chih Liao, Chia-Huei Chou, Mao-Wang Ho, Jo-Tsen Chen, Shu-Ling Chou, Yu-Tsen Huang, **Ngoc-Niem Bui**, Hui-Yu Wu, Chi-Fan Lee, Wei-Chien Huang, Chih-Ho Lai*. Cigarette smoke compromises macrophage innate sensing in response to pneumococcal infection. *Journal of Microbiology, Immunology and Infection*, 2025 Feb 58(1):120-127.
6. Yu-Tzu Lin*, **Ngoc-Niem Bui**, Yu-Syuan Cheng, Cheng-Wen Lin, Chun-Li Lee, Tai-Fen Lee, Po-Ren Hsueh. High hemolytic activity in *Staphylococcus aureus* t1081/ST45 due to increased hla protein production and potential RNAlII-independent regulation. *Journal of Microbiology, Immunology and Infection*, 2025 Feb 58(1):70-76.
7. Chia-Jung Kuo, **Ngoc-Niem Bui**, Jun-Nong Ke, Cheng-Yu Lin, Wey-Ran Lin, Ming-Ling Chang, Hui-Yu Wu, Mei-Zi Huang, Cheng-Hsun Chiu, Cheng-Tang Chiu, Chih-Ho Lai*. Molecular characterization of rifabutin-resistance in refractory *Helicobacter pylori* infection in Taiwan. *International Journal of Infectious Diseases*, 2024 Jan 138:25-28.

8. **Ngoc-Niem Bui**, Chen-Yi Li, Ling-Yu Wang, Yu-An Chen, Wei-Hsiang Kao, LiFang Chou, Jer-Tsong Hsieh, Ho Lin, Chih-Ho Lai*. *Clostridium scindens* metabolites trigger prostate cancer progression through androgen receptor signaling. *Journal of Microbiology, Immunology and Infection*, 2023 Apr 56(2):246-256.
9. Chia-Jung Kuo, Jun-Nong Ke, Tony Kuo, Cheng-Yu Lin, Sen-Yung Hsieh, Ya Fang Chiu, Hui-Yu Wu, Mei-Zi Huang, **Ngoc-Niem Bui**, Cheng-Hsun Chiu, Cheng-Tang Chiu, Chih-Ho Lai*. Multiple amino acid substitutions in penicillin-binding protein-1A confer amoxicillin resistance in refractory *Helicobacter pylori* infection. *Journal of Microbiology, Immunology and Infection*, 2023 Feb 56(1):40-47.
10. Tsai-Hsiu Lin, **Ngoc-Niem Bui**, Yu-Chang Chang, Li-Yun Hsu, Yang-Di Su, Chieh-Min Chang, Wei-An Hong, Uyen Nguyen Phuong Le, Su-Hua Huang, Cheng-Wen Lin*. Comparison between the analytical sensitivity and clinical performance of two cobas SARS-CoV-2 tests based on high-throughput and point-of-care systems. *Biomedicine (Taipei)*, 2022 Jun 1 12(2):40-46.
11. **Ngoc-Niem Bui**, Yu-Tzu Lin, Su-Hua Huang, Cheng-Wen Lin*. Haplotype distribution of SARS-CoV-2 variants in low and high vaccination rate countries during ongoing global COVID-19 pandemic in early 2021. *Infection, Genetics and Evolution*, 2022 Jan 97:105164.
12. **Ngoc-Niem Bui**, Yu-Tzu Lin, Su-Hua Huang, Cheng-Wen Lin*. The extent of molecular variation in novel SARS-CoV-2 after the six-month global spread. *Infection, Genetics and Evolution*, 2021 Jul 91:104800.

Posters: Investigating the role of *Helicobacter pylori* in Epstein-Barr virus reactivation and co-infection in viral oncogenesis

Oral presentation : *H. pylori*-induced EBV reactivation and its role in viral oncogenesis at the Taiwan Society of Microbiology
2024 annual meeting

Awards : the 113th Professor Yan Zhizhong Scholarship of the Taiwan
Society of Microbiology (台灣微生物學會113年嚴智鍾教授獎
學金)