Thinh Ong

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EDUCATION

2022-2026	PhD	University of Oxford, United Kingdom
2012-2018	MD	University of Medicine and Pharmacy at Ho Chi Minh City, Vietnam

EMPLOYMENT HISTORY

2021-2022	Research assistant, Mathematical Modelling Group, Oxford University Clinical Research Unit, Vietnam
2020-2021	Editorial assistant, MedPharmRes, University of Medicine and Pharmacy at Ho Chi Minh City, Vietnam
2019-2020	Research intern, Cancer Epigenetics Lab, Garvan Institute of Medical Research, Australia
2019-2020	Research assistant, Center for Population Health Sciences, Hanoi University of Public Health, Vietnam
2018-2023	Biostatistical consultant, Infertility Department, Tu Du Hospital, Vietnam

GRANTS

I have successfully secured $182,474 in research grants since 2022. Further details are provided below.

2024-2025	$27,694	PI	Modelling measles and hand-foot-mouth disease transmission dynamics in Ho Chi Minh city. *Funding from OUCRU Programme Scientific Committee.*
2023-2025	$29,961	PI	The impacts of 15-month disruption in childhood vaccination programme on vaccination coverage and seroprevalence in Ho Chi Minh city. *Funding from OUCRU Programme Scientific Committee.*
2022-2024	$20,437	PI	An R package for modelling infectious disease parameters based on serological and social contact data. *Funding from OUCRU Programme Scientific Committee.*
2024-2025	$104,382	Co-I	Research cultures in Southeast Asia. *Funding from Wellcome.*

AWARDS

2022-2026	PhD studentship funded by OUCRU and the NDM Tropical Network Fund, University of Oxford
2019	Second Prize for Outstanding Presentation at the 36th Science and Technology Conference, University of Medicine and Pharmacy at Ho Chi Minh City
2018	Awarded for achieving the highest GPA over the 6-year MD programme—the highest in the school's history
2018	Award for the student with the highest dissertation score
2014-2018	Annual award for the student with the highest GPA each academic year

RESEARCH TEAM

Tenure	Role	Name	Next destination
2024-now	RA	Pham Nguyen The Nguyen	
2023-now	RA	Phan Truong Quynh Anh	
2022-2023	RA	Huynh Ngoc Tuyen	PhD programme at University of Oxford

2024	Intern	Nguyen Thanh Lam	MPH programme at University of Caen Normandie
2024	Intern	Julian Hough	BSc programme at Princeton University
2024	Intern	Huynh Xuan Loc	PhD programme at Boston University

POLICY ENGAGEMENT

2024-2025	Supported the evaluation of Ho Chi Minh City's infectious disease surveillance system
2024	Submitted a rapid report on measles seroprevalence to the Department of Health in response to a measles outbreak in Ho Chi Minh City
2024	Developed a dashboard featuring time-varying reproduction numbers with staff at the Ho Chi Minh City Center for Disease Control to enhance infectious disease monitoring and response

TEACHING

Modelling

Date	Attendees	Details
2024-2025	15	*Infectious disease modelling for babies* Methodologies for mathematical models of infectious diseases. Venue: Ho Chi Minh City Center for Disease Control. https://drthinhong.com/idm4b
2023	60	*Introduction to mathematical models for controlling infectious diseases* Developing basic compartmental models and the use of reproduction numbers. Venue: Ho Chi Minh City Center for Disease Control. https://lampk.github.io/IDMIntro

Others

Date	Attendees	Details
2025	20	*Academic writing for babies* Academic writing skills for early-career researchers. Venue: Ho Chi Minh City Center for Disease Control.
2024-2025	10	*R café* Fortnightly reproducibility in research classes. Venue: OUCRU, Ho Chi Minh City Center for Disease Control. https://oucru-modelling.github.io/R-cafe-materials
2024	40	*R for babies* Monthly practical R programming classes. Venue: Ho Chi Minh City Center for Disease Control. https://drthinhong.com/r4babies

Seminars

Date	Attendees	Details
2024	40	*Is this a good journal?* Training on identifying trustworthy scientific journals. Venue: Ho Chi Minh City Center for Disease Control.

SOFTWARE

1. **T Ong**, TQA Phan, ML Ha, M Choisy (2025). *denim: Construct and simulate deterministic discrete-time compartmental models with customisable dwell time distributions.* https://thinhong.github.io/denim.
2. TQA Phan, NTN Pham, TL Bui, NT Huynh, M Choisy, **T Ong** (2025). *serosv: Analyse serological data and estimate infectious diseases parameters.* https://oucru-modelling.github.io/serosv.

3. PL Luu, **T Ong**, TTH Loc, D Lam, R Pidsley, C Stirzaker, SJ Clark (2021). *MethPanel: Analyse multiplex bisulphite PCR sequencing to assess DNA methylation biomarker panels for disease detection.* https://github.com/thinhong/MethPanel.

4. QL Khuong, **T Ong**, VM Hoang (2020). *hss: Estimate sample size for health study designs.* https://thinhong.shinyapps.io/samplesize.

5. PL Luu, **T Ong**, TP Dinh, SJ Clark (2020). *Lifted: Enhance genome conversion robustness during reference assembly updates.* https://github.com/thinhong/Lifted.

PUBLICATIONS