

CURRICULUM VITAE



Contact information

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Personal Details

Full name: Hoang Van Tong
Gender: Male
Nationality: Vietnamese

Education and Qualifications

2010-2013	Institute of Tropical Medicine, University of Tübingen, Germany PhD in Molecular Biology and Tropical Medicine, October 2013
2005-2007	Vietnam National University, Hanoi, College of Natural Sciences M.Sc. Biology, Major in Microbiology, December 2007
2000-2004	Vietnam National University, Hanoi, College of Natural Sciences B.Sc. Biology, Major in Cytology, Histology and Embryology, July 2004

Working Experience

4/2017- to date	Principal Investigator, Institute of Biomedicine and Pharmacy, Vietnam Military Medical University, Hanoi, Vietnam Research Area: Host responses and host genetic factors in infectious diseases, molecular biology and epidemiology of pathogens (especially hepatitis viruses HBV, HDV, HEV and related liver diseases). Pathogenesis and Genetics of Cancers.
4/2017- to date	Lecturer, Department of Pathophysiology, Vietnam Military Medical University, Hanoi, Vietnam
11/2013-to date	Postdoctoral researcher, Institute of Tropical Medicine, University of Tübingen, Germany Research Area: Host responses and host genetic factors in infectious diseases, molecular biology and epidemiology of pathogens (especially hepatitis viruses HBV, HDV, HEV and related liver diseases).
3/2010-10/2013	PhD researcher, Institute of Tropical Medicine, University of Tübingen, Germany

Research Area: Host genetic polymorphism and infectious diseases (especially HBV and HBV-related liver diseases)

1/2009-6/2009	Research Fellow, Royal Holloway University of London, United Kingdom Research Area: Expression of fusion protein on Bacillus subtilis spore surface, Molecular microbiology and vaccine delivery based on Bacillus subtilis spores.
2006	Research Assistant, Department of Applied DNA Technology (ADT), Vietnam National Institute of Biotechnology (IBT), Vietnam
2005-2010	Researcher, Biomedical Pharmaceutical Applied Research Center (BPARC), Vietnam Military Medical University (VMMU), Vietnam

Research Orientation

My main interests are the associations and interactions between host factors (human genetics, immune responses and epigenetics) and infectious pathogens, especially hepatitis viruses (hepatitis B, D, C and E viruses), and related liver diseases including liver cirrhosis and hepatocellular carcinoma. Particularly, I am focusing on the functional roles of signaling pathway (JAK/STAT/SOCS), Interferon-stimulated genes and ISGylation in hepatitis B virus -related liver diseases, role of complement system in Dengue infection. I am also working on the molecular epidemiology of infections with hepatitis viruses (HBV, HDV, HEV, and HCV) and the clinical significance of their co-infections. I also extend my research interests to other infectious pathogens such as blood stream infections and parasitic infections (malaria) as well as develops advance diagnostic tools for detection and identification of infectious pathogens.

Teaching Experience

2022- to date	Associate Professor, Department of Pathophysiology, Vietnam Military Medical University
2017-to date	Lecturer, Department of Pathophysiology, Vietnam Military Medical University
2012-2017	Resource personnel for Master and Bachelor courses in Infectious Diseases and supervise students at the Institute of Tropical Medicine, University of Tübingen.

International Publications

Full List of Publications: https://www.researchgate.net/profile/Hoang_Tong
(#Shared first authors; *Corresponding author)

Selected Publications

1. Khai NX, Huy DQ, Trang DT, Minh NT, Tien TD, Phuong NV, Dung NV, Hang NT, Khang LV, Hoang NH, Xuan NT, Mao CV, **Tong HV***. Expression of SUMO and NF- κ B genes in hepatitis B virus-associated hepatocellular carcinoma patients: An observational study. *Medicine* 103(26):p e38737, June 28, 2024.
2. Diep NT, Giang NT, Diu NTT, Nam NM, Khanh LV, Quang HV, Hang NT, Mao CV, Son HV, Hieu NL, Linh PT, Sklan EH, Toan NL, **Tong HV***. Complement receptor type 1 and 2 (CR1 and CR2) gene polymorphisms and plasma protein levels are associated with the Dengue disease severity. *Scientific Reports*. 2023 Oct 13;13(1):17377.

3. Vuong NB, Quang HV, Trang BNL, Duong DH, Toan NL, **Tong HV***. Association of PKLR gene copy number, expression levels and enzyme activity with 2,3,7,8-TCDD exposure in individuals exposed to Agent Orange/Dioxin in Vietnam. *Chemosphere*. 2023 Jul;329:138677.
4. Thanh Duyen LT, Manh BV, Phuong Thao TT, Khanh LV, Linh Trang BN, Giang NT, Quang HV, Viet NT, Hang NT, Mao CV, Toan NL, **Tong HV***. Prognostic significance of the angiopoietin-2 for early prediction of septic shock in severe sepsis patients. *Future Sci OA*. 2023 Jan 27;8(10):FSO825.
5. Giang NT[#], **Tong HV[#]**, Quyet D, Hoan NX, Nghia TH, Nam NM, Hung HV, Mao CV, Son HA, Meyer CG, Velavan TP, Toan NL. Complement protein levels and MBL2 polymorphisms are associated with dengue and disease severity. *Scientific Reports* 2020 Sep 10;10(1):14923. doi: 10.1038/s41598-020-71947-2.
6. Boldt ABW, **Tong HV**, Grobusch MP, Ella AD, Kombila M, Meyer CG, Kun JF, Kremsner PG, Velavan TP. The Blood Transcriptome of Childhood Malaria. *EBioMedicine*. 2019 Jan 9. pii: S2352-3964(18)30632-7.
7. **Tong HV**, Velavan TP, Thye T, Meyer CG. Human genetic factors in tuberculosis: an update. *Trop Med Int Health*. 2017 Sep;22(9):1063-1071.
8. **Tong HV***, Brindley PJ, Meyer CG, Velavan TP. Parasite infection, carcinogenesis and human malignancy. *EBioMedicine* 15 (2017) 12–23.
9. **Tong HV***, Hoan NX, Wang B, Wedemeyer H, Bock CT*, Velavan TP. Hepatitis E Virus Mutations: Functional and Clinical Relevance. *EBioMedicine*. 2016 Sep; 11: 31–42.
10. Hoan NX[#], **Tong HV[#]**, Hecht N, Sy BT, Marcinek P, Meyer CG, Song LH, Toan NL, Kurreck J, Kremsner PG, Bock CT*, Velavan TP*. Hepatitis E Virus Superinfection and Clinical Progression in Hepatitis B Patients. *EBioMedicine*. 2 (2015) 2080–2086.