

CURRICULUM VITAE



Contact information

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Personal Details

Full name:	Truong Nhat My
Gender:	Male
Nationality:	Vietnamese
Language:	Vietnamese, French (Bilingual), English (Full Professional)

Educational Background

2017	University of Côte d'Azur, Nice, France. PhD, Biology of Interactions and Ecology. Functional analysis of root knot nematode's nuclear effectors of <i>Meloidogyne incognita</i> and characterization of their plant targets.
2012	University of Montpellier II, Montpellier, France. MSc, Microorganisms, Hosts and Environments Interactions.
2010	University of Montpellier II, Montpellier, France. BSc, Biology.

Working Experience

2021- to date	Post-doctoral Researcher & PACE-UP Scientific Coordinator, Vietnamese – German Center for Medical Research, 108 Military Central Hospital, Hanoi, Vietnam. Advisor: Prof. Thirumalaisamy P. Velavan & Prof. Le Huu Song.
2018 - 2021	Post-doctoral Researcher, Sawa Laboratory, Graduate School of Science and Technology, Kumamoto University, Kumamoto, Japan. Advisor: Prof. Schinichiro Sawa. Functional analysis of plant's bZIP transcription factors during giant cell formation in plant – root-knot nematode interaction.

2013 - 2017	Graduate Research (Ph.D.), Plant-Nematode Interaction team, Institute Sophia Agrobiotech, Sophia Antipolis, France. Advisors: Pierre Abad, Ph.D. & Michaël Quentin, Ph.D. Functional analysis of root knot nematode's nuclear effectors of <i>Meloidogyne incognita</i> and characterization of their plant targets.
Mar – Oct 2013	Research Assistant, Department of Bacteriology, National Institute for Hygiene and Epidemiology, Hanoi, Vietnam. Advisor: Hoàng Thị Thu Hà, MD, Ph.D. Detection of <i>Helicobacter pylori</i> from biopsies and stool samples in Vietnamese pediatric patients using the nested PCR method.

Research Orientation

Biology, Molecular biology, NGS, WGS, AMR, Emerging and Re-emerging diseases, Infectious diseases, Oxford Nanopore sequencing technology.

Scholarships and Grants

Funding institution	Role	Project name	Duration
Vin Innovation Foundation	Grantee	Assessing the 3rd generation of next-generation sequencing using the Oxford Nanopore technology for clinical diagnostics: a method for carbapenem resistant <i>Pseudomonas aeruginosa</i>	2023
German Academic Exchange Service DAAD grant	Coordinator Member	PAN ASEAN Coalition for Epidemic and Outbreak Preparedness (PACE-UP)	2021-2025
German Academic Exchange Service DAAD: P32/cg	Coordinator Member	SARS-CoV-2 Genome sequencing in Vietnam	2021
Naval Medical Research Unit Number TWO (NAMRU-2) - United States Navy	Coordinator Member	Safety, Tolerability and Pharmacokinetics of Tafenoquine after Weekly and Escalating Monthly Doses of Tafenoquine in Healthy Vietnamese Volunteers	2021 - 2022
Ministry of Science and Technology Vietnam – Israel	Coordinator Member	Development of a multiplex Real-time PCR KIT and an Antigen Microarray for the diagnosis, genotyping and prognosis of Dengue Hemorrhagic Fever	2021 - 2024

Skills

- Microbiology (Bacteria, yeast culture and transformation)
- Molecular biology (Cloning, DNA/RNA extraction, purification and amplification, PCR, RT-qPCR)

- Next-generation sequencing (Oxford Nanopore Technology, SARS-CoV-2 whole genome sequencing analysis)
- Biochemistry (Protein extraction, Co-IP)
- Critical review of science publication
- Oral/poster presentation

International Publications (Last 5 years)

1. Do Duc Anh, Luthfiana Mutiara Sani, Rini Riyanti, Nurul Istinaroh, **Truong Nhat My**, Hoang Van Tong, Rike Oktarianti, Tran Thi Thanh Huyen, Le Huu Song, Kartika Senjarini, Thirumalaisamy P. Velavan. (2024) Diagnostic challenges of arboviral infections and dengue virus serotype distribution in febrile patients in East Java, Indonesia. *IJID Regions*, Volume 14, 2025, <https://doi.org/10.1016/j.ijregi.2024.100512>
2. Do Duc Anh, Nguyen Trong The, **Truong Nhat My**, Le Thi Kieu Linh, Nghiem Xuan Hoan, Peter G Kreamsner, Nguyen Linh Toan, Le Huu Song, Thirumalaisamy P Velavan. (2024) Epidemiology and Genotype Dynamics of Dengue in Hospitalized Patients in Northern Vietnam between 2020-2022, *Open Forum Infectious Diseases*; <https://doi.org/10.1093/ofid/ofae753>
3. Le Chi Cao, Le Nguyen Nhat Ha, Tran Thi Giang, Vo Minh Tiep, Ngo Thi Minh Chau, Ton Nu Phuong Anh, Pham Khanh Duy, Le Phuc Nhan, Nguyen Thi Thu Hoai, Le Thi Kieu Linh, Nourhane Hafza, C. Thomas Bock, **Truong Nhat My**, Bui Tien Sy, Nguyen Linh Toan, Le Huu Song, Thirumalaisamy P. Velavan, (2024) Characterization of zoonotic hepatitis E virus in domestic pigs and wild boar in Vietnam: Implications for public health, *One Health*, Volume 19, <https://doi.org/10.1016/j.onehlt.2024.100857>
4. Cao, L. C., Muraleedharan, D., Giang, T. T., Tiep, V. M., Chau, N. T. M., Anh, T. N. P., Ha, L. N. N., Hoai, N. T. T., **My, T. N.**, Moussi, E. A., Hafza, N., Song, L. H. & Velavan, T. P. (2024). Prevalence and Genetic Diversity of Entamoeba and Cryptosporidium in Pigs and Wild Boars in Central and Southern Vietnam: Implications for Zoonotic Risks and Surveillance. *Foodborne Pathogens and Disease*. <https://doi.org/10.1089/fpd.2024.0095>
5. Sy, B. T., Boutin, S., Weikert-Asbeck, S., Eger, E., Hauswaldt, S., **My, T. N.**, The. N. T., Rupp, J., Song, L. H., Schaufler, K., Velavan, T. P. & Nurjadi, D. (2024). Heterogeneity of colistin resistance mechanism in clonal populations of carbapenem-resistant Klebsiella pneumoniae in Vietnam. *The Lancet Regional Health–Western Pacific*, 51. <https://doi.org/10.1016/j.lanwpc.2024.101204>
6. Nurjadi, D., **My, T. N.**, Göpel, L., Boutin, S., & Velavan, T. P. (2024). Emergence of extensively drug-resistant Pseudomonas aeruginosa ST308 co-producing Klebsiella pneumoniae carbapenemase and New Delhi metallo-β-lactamase in Viet Nam. *The Lancet Microbe*. <https://doi.org/10.1016/j.lanmic.2024.100958>
7. Thi Anh Mai Pham, Tung Xuan Nguyen, **Truong Nhat My**, Lan Thi Le, Huyen Thi Vu, Ngoc Thi Bich Hoang, Dien M Tran, Linh Viet Nguyen, Phuc D Pham, Dennis Nurjadi, Flavie Goutard, Thirumalaisamy P Velavan, Van Anh Thi Dinh, Y M Gildas Hounmanou, Bent Jörgensen, Le Huu Song, Nhung T T Nguyen, Etienne Loire, Åse Östholm, Lennart E Nilsson, Tuyet Hanh T Tran, Phuc H Phan, Anders Dalsgaard, Mattias Larsson, Linus Olson, Håkan Hanberger. (2024) Evaluation of screening algorithms to detect rectal colonization with carbapenemase-producing Enterobacterales in a resource-limited setting, *JAC–Antimicrobial Resistance*, Volume 6, Issue 3, <https://doi.org/10.1093/jacamr/dlae089>
8. Recker, M., Fleischmann, W. A., Nghia, T. H., Truong, N. V., Nam, L. V., Duc Anh, D., Song, L. H., The, N. T., Anh, C. X., Hoang, N. V., **Truong, N. M.**, Toan, N. L., Kreamsner, P. G. & Velavan, T. P. (2024). Markers

of prolonged hospitalisation in severe dengue. PLOS Neglected Tropical Diseases, 18(1), e0011922. <https://doi.org/10.1371/journal.pntd.0011922>

9. Cao, L.C.; Martin, V.; Linh, L.T.K.; Giang, T.T.; Chau, N.T.M.; Anh, T.N.P.; Nghia, V.X.; The, N.T.; **My, T.N.**; Sy, B.T.; et al. (2023) High Hepatitis E Virus (HEV) Seroprevalence and No Evidence of HEV Viraemia in Vietnamese Blood Donors. Viruses, 15, 2075. <https://doi.org/10.3390/v15102075>
10. Tung, T.T.; Schmid, J.; Nghia, V.X.; Cao, L.C.; Linh, L.T.K.; Rungsung, I.; Sy, B.T.; **My, T.N.**; The, N.T.; Hoan, N.X.; Meyer, C.G.; Wedemeyer, H.; Kremsner, P.G.; Toan, N.L.; Song, L.H.; Bock, C.-T.; Velavan, T.P. (2022) Low Risk of Occult Hepatitis B Infection among Vietnamese Blood Donors. Pathogens, 11, 1524. <https://doi.org/10.3390/pathogens11121524>.
11. Nghiem Xuan Hoan, Srinivas Reddy Pallerla, Pham Xuan Huy, Hannah Krämer, **Truong Nhat My**, Tran Thanh Tung, Phan Quoc Hoan, Nguyen Linh Toan, Le Huu Song, Thirumalaisamy P. Velavan (2022) SARS-CoV-2 viral dynamics of the first 1000 sequences from Vietnam and neighbouring ASEAN countries. IJID Regions. 2:175-179, ISSN 2772-7076, <https://doi.org/10.1016/j.ijregi.2022.01.008>.