

## CURRICULUM VITAE



### Contact information

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### Personal details

Full name: Ngo Tat Trung  
Date of birth: October 13<sup>th</sup>, 1978  
Place of birth: Hanoi, Vietnam  
Gender: Male  
Nationality: Vietnamese  
Language: Vietnamese, English

### Education background

2007–2010 PhD fellowship: Max Planck Institute for Immunobiology, Freiburg, Germany. PhD thesis: Gene regulation in cells of immune system with focus on transcription factors – Promoter interaction.  
2004–2006 Master program in Biochemistry and Molecular Biology, University of Bremen, Germany. Scholarship: German Academic Exchange Service (DAAD).  
2001–2003 Post graduate researcher, Department of Microbiology, Vietnamese Institute of Agricultural Engineering.  
1996–2001 Undergraduate studies in chemical engineering, Hanoi University of Technology, Vietnam.

### Working experience

Since 1/2011 Group leader, Vietnamese-German Center for Medical Research (VG-CARE)  
Clinical physician, Department of Molecular Biology, 108 Military Central Hospital, Hanoi, Vietnam.

### Honors and Fellowships

2017 Golden medal in medical engineering for young investigators from North of Vietnam.  
2017 Silver medal for young investigators with prototypes applicable in military medicines.

## Publications

### International peer-review publications:

1. *SILAC-Based Quantitative Proteomics Approach to Identify Transcription Factors Interacting with a Novel Cis-Regulatory Element.* **Trung NT**, Engelke R, Mittler G (2014) J Proteomics Bioinform 7: 082-087. doi:10.4172/jpb.1000306
2. *Simple multiplex PCR assays to detect common pathogens and associated genes encoding for acquired extended spectrum betalactamases (ESBL) or carbapenemases from surgical site specimens in Vietnam* **Trung NT**, Song le H, et al Ann Clin Microbiol Antimicrob. 2015 Apr 12;14:23. doi: 10.1186/s12941-015-0079-z
3. *Enrichment of bacterial DNA for the diagnosis of blood stream infections.* **Trung NT**, Song le H, et al, BMC Infect Dis. 2016 May 31;16:235. doi: 10.1186/s12879-016-1568-1
4. *Association of vitamin D deficiency with hepatitis B virus - related liver disease.* Hoan NX, Khuyen N, Binh MT, Giang DP, **Trung NT**, et al Song LH. BMC Infect Dis. 2016
5. *Antimicrobials: a global alliance for optimizing their rational use in intra-abdominal infections (AGORA).* Sartelli M, **Trung et al.** World J Emerg Surg. 2016 Jul 15;11:33.
6. *Significance of nucleic acid testing in diagnosis and treatment of post-neurosurgical meningitis caused by multidrug-resistant Acinetobacter baumannii: a case report:* **Tat Trung Ngo**; Le Huu Song et Journal of Medical Case Reports 2016; 10: 313.
7. *Biochemical and cellular characterization of transcription factors binding to the hyperconserved core promoter-associated M4 motif.* **Trung NT**, Kremmer E, Mittler G. BMC Genomics. 2016 Aug 30;17:693.
8. *Antimicrobials: a global alliance for optimizing their rational use in intra-abdominal infections (AGORA).* Sartelli M, **Trung et al.** World J Emerg Surg. 2017 Aug 2;12 :35.
9. Optimization of quantitative microRNA panels to consolidate the diagnostic surveillance of HBV-related hepatocellular carcinoma. **Tat Trung Ngo**; Le Huu Song et al - Plos one
10. No expression of HBV-human chimeric fusion transcript (HBx-LINE1) among Vietnamese patients with HBV-associated hepatocellular carcinoma **Tat Trung Ngo**; Le Huu Song et al – Annals of Hapatology.

### International peer-review submitted manuscripts:

1. Evaluation of an in-house real-time PCR assay combined with human DNA removal for the diagnostics of bloodstream infection

## Patents

### National patent filed

1. Olio used for priming the PCR detection extended betalactam resistant genes and the associated techniques used for the detection of SHV, TEM, CTX-M, NDM, (Patent number 17084 ).
2. Method and associated kit used for diagnosis of blood stream infections.
3. Method and associated kit use for non-invasive quantitative diagnosis of circulating kras gene mutation (Patent number 17265).
4. Method use for non-invasive quantitative diagnosis of EGFR gene mutation.
5. Method and associated kit used for the detection of CALR gene mutation.

## Out-source service

1. EGFR mutation diagnosis for patients sponsored by Astrazeneca Inc. and Roche Inc.
2. Kras mutation diagnosis for patients sponsored by Merck Inc.