CURRICULUM VITAE – Le Thanh Hoa (short CV)

1. PERSONAL DATA

Name: **Le**, Thanh Hoa; **Date of Birth:** February 2nd, 1954; **Place of Birth**: Quang Tri (Vietnam); **Nationality**: Vietnamese; **Sex:** Male;

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2. QUALIFICATIONS

Degrees, Diplomas or Certificate	Duration	Year	Institution
Degree of Doctor of Philosophy (PhD) in Molecular Parasitology, Tropical Health Program (Medical Sciences)	03/1998-03/2001	2001	The University of Queensland (Brisbane, Australia)
Degree of Master of Science (MSc) in Molecular Microbiology (Science)	02/1994-02/1997	1997	The University of Melbourne (Melbourne, Australia)
Degree of Doctor of Veterinary Medicine (D.V.M.) (MBVBS) or Bachelor of Vet. Science with Honours [BVSc (Hons)]	09/1971-12/1976	1977	The Hungarian University of Veterinary Science (Budapest, Hungary)

3. WORKING EXPERIENCE/POSITION

1977 – 1989	Senior Lecturer; Microbiology and Infectious Diseases Department; Faculty of Animal Husbandry and Veterinary Medicine; Hanoi Agricultural University of Vietnam.
1989 – 1993	Senior Research Scientist; Head, Immunology Department, Centre of Applied Biochemistry; Vietnam National Centre of Sciences (Hanoi, Vietnam)
1993 – 2000	Research Fellow; Institute of Biotechnology (IBT), Vietnam Academy of Science and Technology (Hanoi, Vietnam) The University of Melbourne (MSc study); The University of Queensland (PhD study); Australia
2001 – 2014	Head, Immunology Department; Associate Professor; Senior Research Fellow; Institute of Biotechnology (IBT), Vietnam Academy of Science and Technology (Hanoi, Vietnam);
2014 – present	Senior Research Fellow; Associate Professor; Immunology Department; Key Engineering Laboratory; Institute of Biotechnology (IBT), Vietnam Academy of Science and Technology (Hanoi, Vietnam);

4. PROFESSIONAL EXPERIENCE and INTERESTED AREAS

1. Molecular Tropical Health and Medicine (Zoonotic Diseases);
2. Molecular and Epidemiology of Parasitic Zoonotic infections;
3. Molecular Genetics, Phylogeny, Evolution;
4. Recombinant DNA and protein technologies;
5. Molecular-based Diagnosis; General Microbiology and Virology and Immunology;
6. Principle and Application of Vaccine Technologies;
7. Several Aspects of Molecular Oncology (oncogenes) and prion;
8. Applied Bioinformatics.

5. INTERNATIONAL/NATIONALCONFERENCES

Over 40 international conferences, symposia and workshops attended and papers presented;

About 50 national conferences for full paper presentation.

6. MEMBERSHIPS IN PROFESSIONAL SOCIETIES

The American Society for Microbiology (**ASM**), (2010-now);
The Asian Liver Fluke Network, Vietnam representative member **(**2009 – present)
The Australian Society for Parasitology (**ASP**), (1998-now);
and others

7. SCIENTIFIC PUBLICATIONS

1. Le TA, Vi TT, Nguyen KL, and **Le TH** (2015). Rare Subcutaneous Posterior Thoracic Human Infection: A *Dirofilaria repens* Case Report and Molecular Identification. *Korean J Parasitol* (in press). (SCI/ISSN: 0023-4001).
2. **Le TH,** Nguyen NTB (2014). Evolutionary dynamics of highly pathogenic avian influenza A/H5N1 HA clades and vaccine implementation in Vietnam. *Clin Exp Vaccine Res* 3(2):117-127. (pISSN 2287-3651• eISSN 2287-366X).
3. NV De, **Le TH**, Lien PTH, Eom KS (2014). Current Status of Taeniasis and Cysticercosis in Vietnam. *Korean J Parasitol* 52(2):125-129. (SCI/ISSN: 0023-4001).
4. Cai XQ, Yu HQ, Ruan ZX, Yang LL, Bai JS, Qui DY, Jian ZH, Xiao YQ, Yang JY, **Le TH**, Zhu XQ. (2013) Rapid Detection and Simultaneous Genotyping of *Cronobacter* spp. (formerly *Enterobacter sakazakii*) in Powdered Infant Formula Using Real-time PCR and High Resolution Melting (HRM) Analysis. *PLoS ONE* 8(6): e67082. (SCIE/ISSN: 1932-6203).
5. De NV, **Le TH** (2013). Images in Clinical Medicine: Multiple Palpable Cysts. *New England Journal of Medicine*, 368(22): 2125. (SCI/ ISSN: 0028-4793).
6. Nguyen NTB and **Le TH** (2013). Complete genome sequence of sacbrood virus strain SBM2, isolated from the honeybee *Apis cerana* in Vietnam. *Genome Announc.* 1(1): e00076-12. doi:10.1128/genomeA.00076-12. 2169-8287. (SCI/ISSN: 2169-8287).
7. Islam MT, **Le TH**, Rahman MM and Islam MA (2012). Molecular characterization of two Bangladeshi infectious bursal disease virus isolates using the hypervariable sequence of VP2 as a genetic marker. *Journal of Veterinary Science* 13(4): 405-412. (SCIE/pISSN: 1229-845X, eISSN: 1976-555X).
8. De NV, **Le TH** and Murrell KD (2012). Prevalence and intensity of zoonotic fishborne trematodes in cultured freshwater fish from rural and urban areas of Northern Vietnam. *Journal of Parasitology* 98(5): 1023-1025. (SCI/ISSN: 0022-3395).
9. De NV, **Le TH**, Chai JY (2012). The first human case of *Thelazia callipaeda* Infection in Vietnam. *Korean J Parasitol* 50(3):221-223. (SCI/ISSN: 0023-4001).
10. **Le TH**, Nguyen TK, Nguyen TBN, Doan TTH, Le TKX, Hoang TMC, De NV (2012). Development and evaluation of a single step multiplex PCR for simultaneous detection of *Fasciola hepatica* and *Fasciola gigantica* (Fasciolidae; Trematoda; Platyhelminthes). *Journal of Clinical Microbiology,* 50(8): 2720-2726. (SCI/ISSN: 0095-1137).
11. De NV, **Le TH** and Chai YJ (2012). *Dirofilaria repens* in Vietnam: Detection of 10 Eye and Subcutaneous Tissue Infection Cases Identified by Morphology and Molecular Methods. *Korean J Parasitol* 50(2): 137-141. (SCI/ISSN: 0023-4001).
12. **Le TH**, Nguyen NTB, Truong NH, De NV (2012). Mitochondrial loop-mediated isothermal amplification (mito-LAMP) for detection of the small liver fluke *Opisthorchis viverrini* (Opisthorchiidae; Trematoda; Platyhelminthes). *Journal of Clinical Microbiology*, 50(4): 1178-1184. (SCI/ISSN: 0095-1137).
13. Minh NN, Bac NV, Son NT, Lien VTK, Ha CH, Cuong NH, Mai CTN and **Le TH** (2012). Molecular characteristics of rifampin and isoniazid resistant *Mycobacterium tuberculosis* strains isolated in Vietnam. *Journal of Clinical Microbiology*, 50(3): 598-601. (SCI/ISSN: 0095-1137).
14. De NV and **Le TH** (2011). Human infections of fish-borne trematodes in Vietnam: prevalence and molecular specific identification at an endemic commune in Nam Dinh province. *Experimental Parasitology* 129: 355-361. (SCI/ISSN: 0014-4894).
15. **Le TH**, Le TB, Doan TTH, Quyen DV, LE TKX, Pham VC, Nagataki M, Nomura H, Ikeue Y, Watanabe Y, Agatsuma T (2011). The adjuvant effect of Sophy □-Glucan to the antibody response in poultry immunized by the avian influenza A H5N1 and H5N2 vaccines. *Journal of Microbiology and Biotechnology*, 21(4): 405-411. (SCI/ISSN: 1017-7825).
16. Nguyen TGT, **Le TH,** Dao THT, Tran TLH, Praet N, Speybroeck N, Vercruysse J and Dorny P (2011). Bovine fasciolosis in the central Vietnamese province of Binh Dinh. *Acta Tropica* 117: 19–22. (SCI/ISSN: 0001-706X).
17. Doan TT, Bernard A, Da-Costa AL, Bloch V, Le TH, Legre Y, Maigne L, Salzemann J, Sarramia D, Nguyen HQ, Breton V (2010). Grid-based International Network for Flu observation (g-INFO). *Stud Health Technol Inform* 159:215-26. (ISSN: 0926-9630).
18. Nguyen TGT, **Le TH**, De NV, Doan TT, Dao THT, Vercruysse J and Dorny P (2010). Assessment of a 27 kDa antigen in Enzyme-Linked Immunosorbent Assay (ELISA) for the diagnosis of fasciolosis in Vietnamese patients. *Tropical Medicine and International Health*, 15(4): 462-467. (SCI/ISSN: 1360-2276).

19. **Le TH**, Le KXT, Cuong PV, Cuc NTK, Le TB, Ikeue Y, Watanabe Y and Agatsuma T (2010). Adjuvant effects of Sophy β-glucan on H5N1 and H5N2 vaccination using a mouse model. *Tropical Medicine and Health*, 38(1): 23-27. (ISSN: 1348-8945).
20. Nguyen TGT, De NV, Vercruysse J, Dorny P and **Le TH** (2009). Genotypic characterization and species identification of *Fasciola* spp. with implications regarding the isolates infecting goats in Vietnam. *Experimental Parasitology,* 123(4): 354-361. (SCI/ISSN: 0014-4894).
21. Van KV, Dalgaard A, Blair D and **Le TH** (2009). *Haplorchis pumilio* and *H. taichui* in Vietnam discriminated using ITS-2 DNA sequence data from adults and larvae. *Experimental Parasitology*, 123(2): 146-151. (SCI/ISSN: 0014-4894).
22. **Le TH**, De NV, Agatsuma T, Nguyen TGT, Nguyen QD, McManus DP and Blair D (2008). Human fascioliasis and the presence of hybrid/ introgressed forms of *Fasciola* in Vietnam. *International Journal for Parasitology*, 38(6): 725-730.
23. Yatawara L, Wickramasinghe S, Rajapakse RPVJ, Siyambalagoda LR, **Le TH**, Watanabe Y and Agatsuma T (2008). Morphological and molecular studies on Sri Lankan *Leishmania*. *Tropical Medicine and Health*, 36(4): 171-179.
24. Yatawara L, **Le TH**, Wickramasinghe S and Agatsuma T (2008). Maxicircle (mitochondrial) genome sequence (partial) of *Leishmania major*: gene content, arrangement and composition compared with *Leishmania tarentolae*. *Gene,* 424(1-2): 80-86.
25. Sato Y, **Le TH,** Hiraike R, Yukawa M, Sakai T, Rajapakse RP, Agatsuma T (2008). Mitochondrial DNA sequence and gene order of the Sri Lankan *Schistosoma nasale* is affiliated to the African/Indian group. *Parasitology International,* 57(4): 460-464.
26. Lotfy WM, Brant SV, DeJong RJ, **Le TH**, Demiaszkiewicz A, Kinsella JM, Rajapakse RPVJ, Perera BVP, Laursen JR, Mkoji GM and Loker ES (2008). Evolutionary Origins, Diversification, and Biogeography of Liver Flukes (Digenea, Fasciolidae). *American Journal of Tropical Medicine and Hygiene*, 79(2): 248–255.
27. **Le TH,** De NV, Agatsuma T, Blair D, Vercruysse J, Dorny P, Nguyen TG, McManus DP (2007). Molecular confirmation that *Fasciola gigantica* can undertake aberrant migrations in human hosts. *Journal of Clinical Microbiology*, 45(2): 648-650. (SCI/ISSN: 0095-1137). (SCI/ISSN: 0095-1137).
28. **Le TH**, De NV, Blair D, McManus DP, Kino H and Agatsuma T (2006). *Paragonimus heterotremus* Chen and Hsia, 1964, in Vietnam: a molecular identification and relationships of isolates from different hosts and geographical origins. *Acta Tropica,* 98(1): 25-33. (SCI/ISSN: 0001-706X).
29. **Le TH,** De NV, Blair D, Sithithaworn P and McManus DP (2006). *Clonorchis sinensis* and *Opisthorchis viverrini*: development of a mitochondrial-based multiplex PCR for their identification and discrimination. *Experimental Parasitology*, 112(2): 109-114. (SCI/ISSN: 0014-4894).
30. Littlewood DTJ, Lockyer AE, Webster BL, Johnston DA and **Le TH** (2006). The complete mitochondrial genomes of *Schistosoma haematobium* and *Schistosoma spindale* and the evolutionary history of mitochondrial genome changes among parasitic flatworms. *Molecular Phylogenetics and Evolution* 39(2): 452-67.
31. **Le TH,** Blair D and McManus DP (2004). Codonusage and bias in mitochondrial genome of platyhelminths. *Korean Journal of Parasitology*, 42(4): 159-167. (SCI/ISSN: 0023-4001).
32. **Le TH,** Nguyen VD, Phan BU, Blair D and McManus DP (2004). Case report: unusual presentation of *Fasciolopsis buski* in a Vietnamese child. *Transaction of the Royal Society of Tropical Medicine and Hygiene*, 98:193-194.
33. McManus DP, **Le TH** and Blair D (2004). Genomics of parasitic flatworms. *International Journal for Parasitology*, 34(2): 153-158.
34. Lockyer AE, Olson PD, Ostergaard P, Rollinson PD, Johnston DA, Attwood SW, Southgate VR, Horak P, Snyder **Le TH**, Agatsuma T, McManus DP, Carmichael AC, Naem S and Littlewood DTJ (2003). The phylogeny of the Schistosomatidae based on three genes with emphasis on the interrelationships of *Schistosoma* Weinland, 1858. *Parasitology*, 126(3): 203–224.
35. **Le TH**, Blair D and McManus DP (2002). Revisiting the Question of Limited Genetic Variation Within *Schistosoma japonicum*. *Annals of Tropical Medicine and Parasitology,* 96(2): 155-164.
36. **Le TH**, Blair D and McManus DP (2002). Mitochondrial genomes of parasitic flatworms. *Trends in Parasitology*, 18: 206-213.
37. **Le TH,** Pearson MS, Blair D, Dai N, Zhang LH and McManus DP (2002). Complete mitochondrial genomes confirm the distinctiveness of the horse-dog and sheep-dog strains of *Echinococcus granulosus. Parasitology* 124(1): 97-112.
38. McManus DP, Zhang L, Castrodale LJ, **Le TH**, Pearson M, Blair D (2002). Short report: molecular genetic characterization of an unusually severe case of hydatid disease in Alaska caused by the cervid strain of *Echinococcus granulosus*. *American Journal of Tropical Medicine and Hygiene,* 67(3): 296-298.
39. Pearson M, **Le TH,** Dai N, Zhang LH, Blair D and McManus DP (2002). Chapter: *Molecular taxonomy and strain analysis in Echinococcus*. In CESTODE ZOONOSES: ECHINOCOCCOSIS AND CYSTICERCOSIS - AN EMERGENT AND GLOBAL PROBLEM. P. Craig and Z. Pawlowski (Eds). Book Series: NATO SCIENCE SERIES, SUB-SERIES I: LIFE AND BEHAVIOURAL SCIENCES. Volume**:** 341; Pages: 205-219. IOS Pres; Van Diemenstraat, Amsterdam, Netherlands. (ISBN: 1 58603 220 8),

40. **Le TH**, Blair D and McManus DP (2001). Complete DNA sequence and gene organization of the mitochondrial genome of the liver fluke, *Fasciola hepatica* L. (Platyhelminthes; Trematoda). *Parasitology* 123(6): 609-621.
41. **Le TH,** Blair D and McManus DP (2001). A Leucine-Zipper protein of mitochondrial origin. *Biochimica Biophysica Acta* 1546(2): 435-443.
42. **Le TH,** Humair P, Blair D, Agatsuma T, Littlewood DT and McManus DP (2001). Mitochondrial gene content, arrangement and composition compared in African and Asian schistosomes. *Molecular and Biochemical Parasitology*, 117(1): 61-71.
43. McManus DP, **Le TH** and Blair D (2000). Review: Mitochondrial genomes in the parasitic flatworms: form and function. *Current Topics in Biochemical Research* 3: 27-40.
44. **Le TH,** Blair D, Agatsuma T, Humair PF, Campbell NJH, Iwagami M, Littlewood DTJ, Peacock B, Johnston DA, Bartley J, Rollinson D, Herniou EA, Zarlenga DS and McManus DP (2000). Phylogenies inferred from mitochondrial gene orders - a cautionary tale from the parasitic flatworms. *Molecular Biology and Evolution*, 17(7): 1123-1125.
45. **Le TH,** Blair D and McManus DP (2000). Review: Mitochondrial genomes of human helminths and their use as markers in population genetics and phylogeny. *Acta Tropica*, 77(3): 243-256. (SCI/ISSN: 0001-706X).
46. **Le TH,** Blair D and McManus DP (2000). Review: Mitochondrial DNA sequences of human schistosomes: the current status. *International Journal for Parasitology*, 30(3): 283-290.
47. Blair D, **Le TH,** Despres L and McManus DP (1999). Mitochondrial genes of *Schistosoma mansoni*. *Parasitology*, 119(3): 303-313. SCI/ISSN: 0031-1820.
48. **Le TH**, Wu T, Robertson A, Bulach D, Cowan P, Goodge K and Tribe DE (1997). Genetically variable triplet repeats in a RING-finger related ORF of *Helicoverpa* baculoviruses. *Virus Research*, 49(1): 67-77. SCI/ISSN: 0168-1702.