**PERSONAL DETAILS**

**Name:** DO DUC Luc **Nationality:** Vietnamese

**Current position:** Head, Department of Animal Breeding an Genetics

**Address:**

**Department of Animal Breeding and Genetics, Faculty of Animal Science**

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**Job & Education**

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| **Period** | **Affiliation** | **Position** |
| 1988 - 1993 | Moscow Veterinary Academy (Russia)  Bachelor in animal in husbandry | Undergraduate student |
| 2000 - present | Vietnam National University of Agriculture | Lecturer |
| 2001 - 2002 | University of Liege (Belgium)  Training in biostatistics and quantitative genetics (3 months) | Internship |
| 2002 | University of Sydney (Australia)  Training in biostatistics and quantitative genetics (3 months) | Internship |
| 2004 - 2005 | University of Liege (Belgium)  Master in animal production | Master student |
| 2007 | University of Liege (Belgium)  Training in genetics of the pigs (3 months) | Internship |
| 2008 - 2012 | Department of Animal Breeding an Genetics  Hanoi University of Agriculture | Deputy Head |
| 2012 - 2016 | Center for Interdisciplinary Research on Rural Development Hanoi University of Agriculture | Vice director |
| 2009 - 2013 | University of Liege (Belgium)  Doctor in veterinary science (orientation animal production) | PhD student |
| 2014 | University of Liege (Belgium)  Training in quantitative genetics | Postdoc |
| 2014 - present | Cooperation project between VNUA (Vietnam) and ARES-CCD (Belgium) | Steering committee |
| 2015 | University of Liege (Belgium) and  Training in molecular genetics | Postdoc |
| 2016-2021 | Faculty of Animal Science  Vietnam National University of Agriculture | Vice dean |
| 2012 - present | Department of Animal Breeding an Genetics  Vietnam National University of Agriculture | Head |

**Skills & Languages**

Biostatistics, Genetics and genetic evaluation in animal breeding

Russian, French and English

**Similar project experience (domestic)**

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| **Title** | **Period** | **Orderer** |
| Study on natural resistance to AFS of surviving pigs in outbreak areas in Vietnam (2020-2022) | 2020 - 2022 | MARD |
| Selection of synthetic sow and boar lines from imported genetic resources for livestock production in the Northern provinces | 2017 - 2021 | MARD |
| Improvement of reproductive performance of Landrace and Yorkshire sows by genomic marker | 2015 - 2017 | MARD |
| Effect of halothane genotype on feed efficiency and production performance of stress negative Piétrain boars | 2014 | HUA |
| Production performance of Piétrain x Duroc (PiDu) boars with stress negative Piétrain genetic difference (25, 50 and 75%) | 2011 - 2012 | MOET |
| Etablishment of a purebred nucleus of stress negative Piétrain pigs raised in the North of Vietnam | 2009 - 2010 | MOET |
| Evaluation of growth performance and meat quality of crossbred using hybrid boar Pietrain x Duroc | 2008 - 2009 | MOET |
| Evaluation of the organoleptic quality of beef and buffalo meat | 2008 | HUA |
| Multiplication and evaluation of growth performances of stress negatif Piétrain Belgium pigs raised in Vietnam | 2008 | MOET |

**Similar project experience (overseas)**

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| **Title** | **Period** | **Orderer** |
| Selection of new diarrhea resistant line of Landrace and Yorkshire pigs by using genomic markers | 2017 - 2019 | World Bank |
| Association of FUT1 gene with growth performance and lean meat in Large White pig under intensive condition in northern Vietnam | 2016-2018 | VNUA and ARES-CCD cooperation |
| Selection for sustainable conservation of Ho chicken breed | 2012 - 2013 | Bilateral cooperation  Vietnam and Belgium |

**05 publications**

**Luc, D. D.**, H. X. Bo, N. H. Thinh, N. C. Thanh, T. X. Manh, N. V. Hung, P. T. Tuoi, V. D. Ton, and F. Frederic. 2022. Effect of ESR, FSHB and PRLR Genes on Sperm Traits of Landrace and Yorkshire Boars in the Tropical Environmental Conditions of Vietnam. *Indian Journal of Animal Research* 56(2):129-134. doi: 10.18805/IJAR.B-1278

**Luc, D. D**., H. X. Bo, N. H. Thinh, H. Q. Hanh, D. T. Phuong, T. X. Manh, N. V. Hung, V. D. Ton, and F. Farnir. 2022. Effects of FUT1 and MUC4 polymorphisms on sperm quality traits of Landrace and Yorkshire pigs under tropical conditions in Northern Vietnam. *Journal of Animal and Plant Sciences* 32(4):1159-1167. (original) doi: http://doi.org/10.36899/JAPS.2022.4.0521

**Luc, D. D.**, H. X. Bo, P. C. Thomson, D. V. Binh, P. Leroy, and F. Farnir. 2013. Reproductive and productive performances of the stress-negative Piétrain pigs in the tropics: the case of Vietnam. *Animal Production Science* 53(2):173-179.

**Luc, D. D.**, T. H. Nguyen, H. X. Bo, N. T. Vinh, T. X. Manh, N. V. Hung, V. D. Ton, and F. Farnir. 2020. Mutation c.307G>A in FUT1 gene has no effect on production performance of Yorkshire pigs in the tropics: the case of Vietnam. *Canadian Journal of Animal Science* 100(3):426-431. doi: 10.1139/CJAS-2019-0084

Moyse, E., N. V. Duy, A. Dor, N. H. Thinh, **D. D. Luc**, N. Moula, V. D. Ton, and F. Farnir. 2022. High-resolution genomic analysis of four local Vietnamese chicken breeds. *J. Anim. Breed. Genet*. 139(5):583-595. doi: https://doi.org/10.1111/jbg.12723