

鹿大「進取の精神」支援基金 2020 年度留学生受入推進事業 (別紙 3)  
 研究留学生受入推進プロジェクト 報告書

2021 年 6 月 9 日

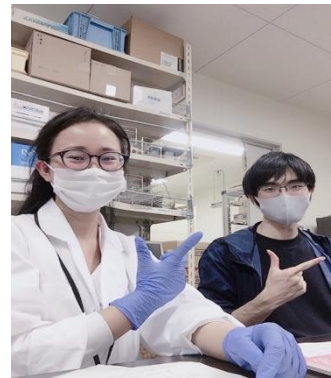
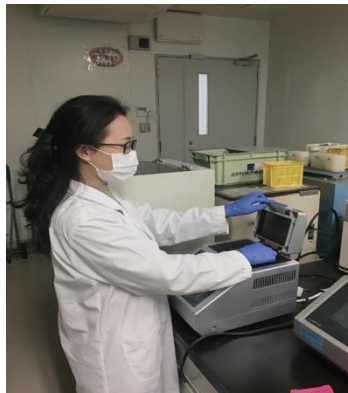
1. 申請者 (所属・職名・氏名)	共同獣医学部 教授 中馬猛久
2. 受入留学生 (国・大学・学年・氏名)	ベトナム・タイグエン農林大学動物科学獣医学部・ 獣医学科 5 年・Phan Thi Thuy Linh
3. 留学生受入期間	2021 年 1 月～ 2021 年 6 月
4. プログラム研究分野	獣医学
5. 本プログラムの目的と概要と成果 (申請者/日本語)	
<p><b>【目的】</b>ベトナムと我が国との交流は、人口減少対策としての労働力受入れ対象としての実績があるが、鹿児島県の地域特性からみると農畜産物の輸出入の相手としての絆が強まりつつある。このような状況のもと、両地域に共通した食品安全確保の基準や越境性動物感染症対策などの国際的共通認識が求められてきている。そこで、ベトナムの獣医大学から留学生を受け入れ、我が国有数の畜産基盤を有する鹿児島県の特徴を活かし鹿児島大学で獣医学の先端知識と技術を学ぶことを通し地域の理解を深めてもらうことにより、両国および両大学の架け橋となる人材を育成することを目的とした。</p> <p><b>【概要】</b>本学共同獣医学部と部局間交流協定を結んでいるタイグエン農林大学動物科学獣医学部の窓口であるトランバン・タン教授から獣医学科 5 年生 Phan Thi Thuy Linh さんを選定していただき、本プログラムで研究留学生として受け入れた。当初の留学期間は 2020 年 10 月から 2021 年 3 月であったが新型コロナウイルス感染症蔓延の影響で速やかな入国が困難となり 2021 年 1 月中旬から約 5 ヶ月間となった。</p> <p><b>【成果】</b>Linh さんはベトナムの獣医学部課程最終学年に在籍し講義実習の単位を全て取得しており卒業論文に関わる研究を本学で実施したいとの意向があった。そこで、細菌学および分子生物学的手法を用いて鹿児島県のブロイラーのサルモネラ汚染実態の解析に取り組んだ。県内のブロイラーからサルモネラの分離同定を行い、収集した菌株の血清型、抗菌剤感受性および抗菌剤耐性遺伝子の保有状況を明らかにした。日常生活においても新型コロナウイルス感染症に最大限の注意を払いながらいくつかの県内観光施設を訪問することにより鹿児島県の美しさを感じてもらえた。Linh さん本人も将来大学院生としての再来日を強く希望しており、本プロジェクトは両大学の架け橋となる人材育成に大きく貢献できた。</p>	

## 6. 鹿児島大学での研究活動と成果 ( Student /English or Japanese )

My name is Linh. I am student at Faculty of Veterinary Medicine, Thai Nguyen University of Agriculture and Forestry. Three of my teachers completed their doctoral training at the Faculty of Veterinary Medicine, Kagoshima University under the supervision of Professor Obi, Professor Atsushi Miyamoto and Professor Chuma. I learned about this exchange program through my teachers and when I was informed by Vu Minh Duc (currently, PhD fellow). I feel so lucky and happy to be able to fulfill my dream of working in this modern laboratory.

While participating in the student exchange program of Kagoshima University. I have done a lot of research at The Laboratory of Veterinary Public Health. This is a really great place for research for students and researchers.

I have completed a research project on *Salmonella* in chickens under the supervision of Professor Chuma and tutor Vu Minh Duc. In addition, I have received a lot of support from laboratory staff and fellow students in my work in the laboratory. I have been conducting research on *Salmonella* in chicken cecum. I have learned how to isolate, identify *Salmonella*, determine poly O antigen, poly H antigen, biochemical reactions, antibiotic resistance and PCR test for antibiotic resistance genes. I am extremely happy to be able to study bacteria in depth.



Besides, I also learned modern techniques such as PCR test, MLST test, MIC test, ESBL producing test... I hope that after returning to my country, I will apply scientific advances this on its own work. I believe these valuable experiences will help me prepare for my upcoming graduate studies.

More than that, I took a Japanese course to try to understand the basics of communication. Japanese makes everything in my life easier, I feel more in love with the people and culture here.

In addition, I had the opportunity to visit famous tourist attractions in Kagoshima such as Kagoshima Aquarium, Sakurajima, Hirakawa zoo, Ibusuki

Park, Marine Port... The scenery in Japan is beautiful and the air is very fresh.



After joining the Laboratory of Veterinary Public Health, I hope Faculty of Veterinary Medicine continued to allow students of the two schools to participate in the student exchange program to study and research more at the community veterinary health laboratory between Kagoshima University and Thai Nguyen University of Agriculture and Forestry to enhance students' knowledge and career skills.

Finally, I would like to express my deep and sincere gratitude, Professor Chuma for his good evaluation and for giving me the opportunity to practice here. The teacher is very good and dedicated to the students. I feel very fortunate to be his student. I also thank PhD student Vu Minh Duc, student Yu as a tutor who helped me during my research, and lab staff Sino and Miho for their enthusiastic support. If I have the opportunity in the future, I will choose Laboratory of Veterinary Public health to continue my studies to PhD. In the near future, I really wish Professor Chuma and Kagoshima University authority to choose me for a PhD scholarship and to be supported in this city. Thank you to all those who indirectly and directly contributed a meaningful part in my youth.

Sincerely!

Linh