

赴英國動植物健康局及 The Pirbright Institute 進行研

究訪問之出國報告

新興傳染病組

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摘要

我國為求畜牧產業永續發展，耗費24年成功撲滅口蹄疫並嚴防非洲豬瘟入侵傷害本土產業，且目前正進行豬瘟撲滅計畫，本所也正值高生物安全實驗室與動物房興建工程，爰此，本次訪問英國動植物健康局 (Animal and Plant Health Agency ; APHA) 及 The Pirbright Institute，將針對口蹄疫、非洲豬瘟、豬瘟及其他重要豬病之研究與診斷進行交流，訪問期間與The Pirbright Institute之口蹄疫與非洲豬瘟研究團隊及APHA豬瘟研究團隊進行交流，並協助本所完善相關診斷方法並進行後續水泡性疾病、非洲豬瘟與豬瘟之學術合作。另外，也參訪The Pirbright Institute之高生物安全實驗室與動物房，並交流設計與管理經驗，有助於本所高生物安全實驗室與動物房之興建及管理。

Report on the visitation of Animal and Plant Health Agency and The Pirbright Institute in UK

Yu-Liang Huang

Abstract

For the sustainable development of our livestock industry, our country has spent 24 years **on** successfully eradicating foot-and-mouth disease and strictly preventing the invasion of African swine fever to protect our local industry. Currently, we are implementing a plan to eradicate classical swine fever, and our institute is also in the process of constructing a high biosecurity laboratory and animal facilities. Therefore, during this visit to the Animal and Plant Health Agency (APHA) and The Pirbright Institute in the UK, we **focused** on exchanging information regarding the research and diagnosis of foot-and-mouth disease, African swine fever, classical swine fever, and other important swine diseases. During the visit, we **engaged** with the foot-and-mouth disease and African swine fever research teams at The Pirbright Institute and the classical swine fever research team at APHA, assisting our institute in improving relevant diagnostic methods and initiating academic collaborations on vesicular diseases, African swine fever, and classical swine fever. Additionally, we **visited** The Pirbright Institute's high biosecurity **laboratories** and animal facilities to exchange experiences in design and management, which contribute to the construction and management of our institute's high biosecurity **laboratories** and animal facilities.