

出國報告：赴英研習蝙蝠麗沙病毒血清學技術

疾病診斷組

胡書佳 副研究員

摘要

114年11月22日至12月6日赴英國動植物健康局(Animal and Plant Health Institute)狂犬病參考實驗室進行蝙蝠麗沙病毒血清學技術研習，研習內容包含螢光抗體病毒中和試驗(Fluorescent Antibody Virus Neutralization)及 modified FAVN，並利用本所分讓至英國實驗室的臺灣蝙蝠麗沙病毒第二型及英國實驗室收集的犬貓血清進行三批次檢體的檢測。研習期間並與研究人員就蝙蝠麗沙病毒之監測策略及近年研究成果進行深入交流，人員於專業知識與實務經驗方面皆獲益良多。本次研習雙方亦就後續合作研究方向交換意見，期能建立長期且穩定之合作關係，進而有助於強化本所狂犬病實驗室之研究推展。

Exploring the serological technique of bat lyssavirus in the

UK

Shu-Chia HU

Abstract

From November 22 to December 6, 2025, a researcher from the Veterinary Research Institute (VRI), Taiwan visited the Animal and Plant Agency (APHA), UK and was trained for the serological technique of bat lyssavirus. The training covered the Fluorescent Antibody Virus Neutralization (FAVN) test and a modified FAVN (mFAVN) assay. Three batches of samples were tested by mFAVN. The mFAVN was performed using Taiwan bat lyssavirus 2 provided by the VRI to the APHA, as well as canine and feline serum samples collected by the APHA. During the training period, in-depth exchanges were conducted between researchers regarding bat lyssavirus surveillance strategies and recent research findings, through which participant gained substantial benefits in both professional knowledge and practical experiences. The training also provided an opportunity for both laboratories to discuss potential directions for future collaborative research, with the aim of establishing a long-term and stable partnership. Such collaboration is expected to further strengthen the research capacity of the rabies laboratory of the VRI.