

# 赴美國疾病控制與預防中心進行蝙蝠血清樣本麗沙病毒抗 體監測及赴澳洲動物衛生實驗室參加 Biorisk Management Training Course 出國報告

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## 摘 要

本(104)年赴美國疾病控制與預防中心進行台灣歷年蝙蝠血清樣本麗沙病毒抗體監測，研習時間共計 3 週，研習第一週主要為通過疾病控制與預防中心保全系統查驗及內部實驗室及電腦相關安全訓練並通過狂犬病抗體力價檢測。研習第二週主要進行快速螢光斑點抑制試驗(Rapid Fluorescent Focus Inhibition Test, RFFIT)之訓練並通過盲樣測試，並學習 micro 快速螢光斑點抑制試驗(micro RFFIT)之操作。研習第三週主要以 micro RFFIT 檢測台灣歷年蝙蝠血清樣本之檢測。礙於研習時間有限，僅完成部分台灣蝙蝠血清樣本之監測，未來將持續完成後續樣本之監測。

「蝙蝠媒介傳播之人畜共通新興傳染病訓練課程」其第二階段訓練課程為澳洲動物衛生實驗室所舉辦之「Biorisk Management Training Course」，課程為期 6 日，研習內容含括實驗室生物安全、實驗室風險因子之管控、實驗室意外(如潑濺)發生的處理、實驗室廢棄物滅菌之確效等課程。實際穿戴 P4 實驗衣模擬操作實驗、進行廢棄物滅菌確效、離心機安全操作及呼吸器配戴等操作訓練，並同時參觀 P3 實驗室及動物舍。

# **Oversea trainings for lyssavirus antibody tests and biorisk management**

Shu-Chia Hu

## **Abstract**

The training of serological testing for lyssavirus was performed at the Poxvirus and Rabies branch of Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia, USA in March, 2015. Courses and practices for laboratory biosafety, lyssavirus antibody test (rapid fluorescent focus inhibition test (RFFIT) and micro-RFFIT), and blind testing were scheduled during the three-week technical visit. Bat sera sampled in Taiwan were also tested during the courses.

The second training “Biorisk management training course” was held at Australian Animal Health Laboratory (AAHL) in Geelong, Victoria, Australia in April. This training was the second stage of “Bat Born Virus Surveillance Workshop”. Specific topics including biosecurity awareness, hazard identification and risk assessment, incident and spill response, effective sterilization of laboratory waste were dealt with in the workshop. The participants were allowed to visit P3 laboratories and animal houses of the AAHL. In addition to lectures, sterilizing of laboratory waste, operating centrifuges, practicing the respirator fit test, and wearing P4 positive pressure suit were also performed.