

參加「蝙蝠媒介傳播之人畜共通新興傳染病」訓練

之研習報告

疫學研究組 胡書佳 助理研究員

「蝙蝠媒介傳播之人畜共通新興傳染病訓練」課程分兩階段實施，第一階段訓練課程於本(103)年5月19~30日於杜克-新加坡大學舉辦，訓練課程包含:3.5天相關課程教授、3天野外捕捉操作訓練、3.5天實驗室操作訓練。

相關課程教授內容包含:蝙蝠基礎介紹、蝙蝠野外捕捉方法介紹(及野外操作注意事項、個人防護用具(PPE)介紹、蝙蝠媒介病原簡介、蝙蝠免疫學、樣本收集及記錄等課程。

野外捕捉操作訓練包含:個人防護用品穿戴、野外蝙蝠捕捉器材架設、捕捉之蝙蝠操作、捕捉之蝙蝠基本資料紀錄、蝙蝠樣本採集、捕捉之蝙蝠釋放等。本次課程進行了4個品種蝙蝠之捕捉及操作訓練(*Eonycteris spelaea*、*Rhinolophus lepidus*、*Pteropus lucasi* 及 *Cynopterus brachyotis*)

實驗室操作課程:蝙蝠解剖及樣本收集、外寄生蟲觀察及樣本收集、蝙蝠血液抹片觀察、收集樣本之核酸萃取、RT-PCR/PCR 監測病原、血清學檢測、蝙蝠細胞株觀察等。

下一年(104)度將進行本次計畫之第二階段訓練，預計將進行更深入訓練內容授予，內容包含野外樣本捕捉、P3 實驗室操作等課程。

The Training reports of “Bat Born Virus Surveillance Workshop”

Shu-Chia Hu

The training program of “Bat Born Virus Surveillance Workshop” was implemented by two stages, and the first stage was held at Duke-NUS Graduate Medical School on May 19~30, 2014. The training program contained 3.5 days of lectures, 3 days of field work, and 3.5 days of laboratory work.

The contents of lectures include: the introduction of bat, the field methods of capture, the introduction of personal protective equipment and bat born virus, bat immunology, and sample collection ...etc.

The contents of field works include: the performance of equipment setting, capture technique and recording of bat, sample collection of bats, and release of bat. We captured and handled 4 species of bats (*Eonycteris spelaea*, *Rhinolophus lepidus*, *Penthetor lucasi* and *Cynopterus brachyotis*) in Singapore in this training .

The contents of laboratory work include: the dissection of bat and specimen harvest, the investigation of ectoparasite and blood smear, nucleic acid extraction, pathogen detection via RT-PCR/PCR, and serology...etc.

The second stage of this training program will be held next year, and will focus on the course of P3 laboratory work and further bat training.