

赴美國康乃狄克大學參加「病毒基因體學及分子流行病學研習」

出國報告

疫學研究組

林育如 副研究員

摘要

本次研習由林育如副研究員及陳麗璇助理研究員赴美國康乃狄克大學獸醫及病理學系之李東勳博士實驗室參與「2019年病毒基因體學與分子流行病學 (2019 Viral Genomics and Molecular Epidemiology)」研討會，研習關於禽流感基因序列分析網路平台介面操作，強化分子流行病學軟體分析的能力。此外，本次研習過程中，亦有韓國動植物檢疫局專家及美國東南家禽實驗室研究人員與會，美國與韓國為成功防治2.3.4.4分支H5型禽流感的國家，美國與韓國防治禽流感成功的經驗中有許多政策規劃仍值得我們借鏡。

Report of 2019 Workshop on Viral Genomics and Molecular Epidemiology in the University of Connecticut

Yu-Ju Lin

Abstract

Two staff members of the Division of Epidemiology went to the United States in May 2019 to attend Dr. Dong-Hun Lee's workshop "2019 Viral Genomics and Molecular Epidemiology" at University of Connecticut. The purpose of the technical visit was to learn how to use internet based analysis tool for studying avian influenza viral sequences and therefore to strengthen our ability of molecular epidemiology. In addition, our participants had fruitful discussion with the experts coming from the Avian Disease Department of Animal and Plant Quarantine Agency of Korea government and Southeast Poultry Research Laboratory; Agricultural Research Service, USDA. South Korea and United State were invaded by clade 2.3.4.4 H5 avian influenza viruses and the viruses were eliminated successfully from their territories. It is believed that their successful experiences can provide us some directions to improved our control strategy against avian influenza.