出席 2017 全球口蹄疫研究聯盟科學會議暨赴日本動物衛生研究部參加「研發高病原性豬生殖與呼吸綜合症與豬瘟之新型診斷方法」計畫年終會議

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摘要

全球口蹄疫研究聯盟(Global Foot and Mouse Disease Research Alliance,GFRA)由美國農業部下轄之農業研究署所發起成立之組織，旨在連繫全球各研究口蹄疫之單位及試驗室，針對口蹄疫研究成果、預防控制以及清除等議題進行分享，期能達成口蹄疫控制與清除之最終目的。該聯盟本(2017)年度於韓國仁川舉辦為期三天的科學會議，本所為我國口蹄疫診斷與研究之專責實驗室，分別由林有良副研究員與鄧明中副研究員分別發表「免疫一劑量之高劑量口蹄疫疫苗於 SPF 及商用豬隻抗體消長之研究」以及「O/Taiwan、O1/Manisa 及 O1/Campos 等不同口蹄疫疫苗於台灣田間豬場之效力之比較」壁報論文。

另本所與日本農研機構動物衛生研究部於 103 年 4 月起針對豬瘟與高病原性豬生殖與呼吸綜合症之監測、診斷與套組研發議題簽訂合作備忘錄，於 108 年應日方邀請由張家宜副研究員赴日本東京進行「豬瘟與豬生殖與呼吸綜合症之診斷與防治技術」之結案報告。此外，

針對豬瘟及非洲豬瘟等重要豬隻疾病診斷與研究也獲日方回應願進行更進一步之合作。

Participation at the2017 Global Foot Mouth Disease Research AllianceScientific Meeting, in Incheon, South Koreaandat theannualmeeting in Tokyo, Japan onthe collaborativeproject“Developing the Novel Method for Classical Swine Fever and High Pathogenic Porcine Reproductive and Respiratory SyndromeDiagnosis”

Ming Chung Deng

Abstract

The Global Foot and Mouth Disease Research Alliance(GFRA) wasstarted in 2003 by the Agricultural Research Service(ARS) of the US Department of Agriculture(USDA).The goal of the GFRA is to coordinate a global alliance of FMD research laboratoriesand institutes for sharing results and discoveries that enableus to successfully prevent, control and eradicate FMD. The 2017 **s**cientific meeting of GFRA was held atIncheon, South Korea. Dr. Yeon-Liang Lin and Dr. Ming-Chung Deng participatedin this meeting and presented two posters entitled”Study on the vicissitude of antibodies induced by vaccinating a single dose high potency FMD vaccine in SPF and commercial pigs” and “Comparison of the efficacy among the O/Taiwan/98, O1/Campos and O1/Manisa strain FMD vaccines in the commercial swine herds“

For monitoring, disease control and diagnosis kit development ofclassical swine fever and highlypathogenic porcine reproductive and respiratory syndrome, our institute signed aMemorandum of Understanding (MOU) with the National Institute of Animal Health, in Japan on April 2014. The MOU expired on March 2018, and Dr

Chia-Yi Chang was invited to presentour study entitled:”Development and validation of new diagnostic methods of highly pathogenic porcine reproductive and respiratory syndrome (PRRS) and classical swine fever (CSF)”. Furthermore, for research, disease control and diagnosis kit development on classical swine fever and African swine fever, we signed a mutual agreementon cooperation between our two institutes.