

# 2023 年全球口蹄疫研究聯盟（GFRA）科學會議出國報告

新興傳染病組

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## 摘要

全球口蹄疫研究聯盟（Global Foot-and-Mouth Disease Research Alliance；GFRA）是在 2003 年由 5 個研究機構籌組發起之國際性聯盟，至今已有 28 個夥伴、14 個合作者及 16 個利益關係者，本所於 2019 年 8 月加入該聯盟成為合作者，復於 2023 年 3 月簽署合作備忘錄成為該聯盟夥伴。該聯盟主要目的在於透過建立與維持全球研究夥伴關係，增進知識與開發工具，進而能成功預防、控制與清除口蹄疫。本次會議主要針對病毒流行現況、診斷技術、致病機轉、免疫研究、疫苗研發與非洲之口蹄疫研究等議題進行資訊交流，並採分組討論模式分析技術或知識缺口，以利聯盟執行委員會確立未來研究策略與優先順位。我國已獲世界動物衛生組織認可臺灣、澎湖、馬祖為不施打疫苗口蹄疫非疫區，為善盡夥伴關係義務，未來更因積極參與聯盟相關會議與活動，以利臺灣對於口蹄疫與其他豬隻水疱性疾病研究能與國際接軌，為全球口蹄疫控制與清除盡一份心力。

# **The report of Global Foot-and-Mouth Research**

## **Alliance (GFRA) scientific meeting**

Kuo-Jung Tsai 、 Cheng-Ju Pan

### **Abstract**

The Global Foot-and-Mouth Disease Research Alliance (GFRA), initiated in 2003 by five research institutions, has grown to consist of 28 partners, 14 collaborators, and 16 stakeholders. Veterinary Research Institute (VRI) joined the alliance as a collaborator in August 2019 and upgraded its involvement by signing a Memorandum of Understanding to become a partner in March 2023. The GFRA's mission is to establish and sustain global research partnerships that generate scientific knowledge and develop tools to prevent, control, and eradicate foot-and-mouth disease (FMD). The focus of the meeting this year was the exchange of information on the current status of the virus, diagnostic technologies, pathogenesis, immunological research, vaccine development, and FMD research in Africa. Group discussions were held to analyze technical or knowledge gaps, aiding the alliance's executive committee in formulating future research strategies and setting priorities. Taiwan, Penghu, and Matsu areas have been recognized by the World Organisation for Animal Health as an FMD-free zone without vaccination. To fulfill partnership obligations, active participation in future GFRA meetings and events is crucial. This engagement supported Taiwan's integration into international research on FMD and other vesicular diseases in swine, contributing to the control and eradication of FMD.