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教授

專長：傳染病流行病學、分子病毒學、節肢動物傳播之病毒傳染病、傳染病監測在獸醫公共衛生之應用、病毒之分子演化學

主要教授課程：

大學部：生物統計

研究所：(碩士班)高等獸醫公共衛生學、分子流行病學、高等流行病學、應用流行病學、預防醫學、熱帶醫學、人類和動物的新浮現感染症、專題研究(一) C、專題研究(二) C、專題討論 a、專題討論 b(博士班) 分子流行病學特論、專題研究(一) C、專題研究(二) C、專題討論 a、專題討論 b

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簡要學經歷及重要榮譽：

- 1999, 7-2003, 7 台灣大學流行病學研究所博士
- 1992, 1-1993, 12 美國州立愛荷華大學工業與環境衛生研究所碩士
- 1987, 8-1991, 6 台灣大學護理系學士
- 2016, 8- 國立中興大學教授
- 2013, 2 - 2016, 7 國立中興大學副教授
- 2007, 8-2013, 1 國立中興大學助理教授
- 2006, 2 - 2007, 6 中央研究院分子生物研究所博士後研究
- 2003, 11 - 2006, 2 美國疾病管制中心節肢動物傳播疾病組博士後研究
- 1994, 4-1999, 7 台灣疾病管制局流行病學訓練中心助理研究員

研究興趣及成果簡述：

本實驗室目前專注在兩項研究領域上：

- 1、透過長期在黃病毒的研究上，我們實驗室經由不同分生的工具，透過類病毒顆粒的表達、冷凍電顯的技術及單株抗體的技術，試圖了解不同黃病毒間如何誘發廣泛性中和抗體的機制
- 2、目前與政府合作，透過不同的地理資訊系統、病毒基因序列與統計分析軟體，分析與了解動物疾病，包括禽流感病毒，在禽場間時空流行的動態趨勢。

代表著作：

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11. **Day-Yu Chao***, Yi-Jung Liu, Wen-Fan Shen, Wu-Chun Tu, Jedhan Ucat Galula, Han-Chung Wu. Comparison of E and NS1 antigen capture ELISA to detect dengue viral antigens from mosquitoes. *Journal of Vector-Borne Diseases* 2015, ;52(2):134-41.
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