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研究興趣

最近的研究主要以動物病毒性疾病的臨床診斷為出發點。針對家禽傳染性支氣管病毒(Infectious bronchitis virus)及喙羽病病毒(Beak and feather disease virus)等結合分子病毒學、免疫學、電子顯微鏡及實驗動物的方式進行(1)鑑定 IBV 病毒蛋白的穿孔素(viroporin)活性，並以動物實驗評估飼料添加物的抗病毒功效; (2)病毒組成蛋白功能性分析、3D 結構模擬與細胞素的抗病毒功效評估; (3)開發包裹式類病毒顆粒作為疫苗的奈米載體; (4)以帶有特殊活性的病毒蛋白於疾病動物模式上進行基因治療。期待以所得到的研究成果精進對病毒性疾病的診斷、治療與預防並有助於增進對動物疾病的了解。

學術服務

Viruses 期刊 (SCI, IF=4.7) (編審諮詢委員 topic advisory panel: 2022 Oct-Now)

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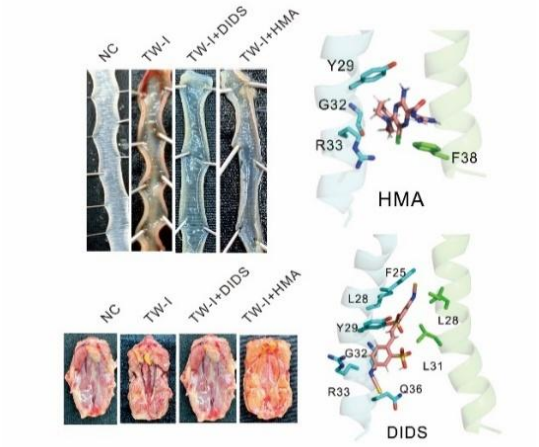
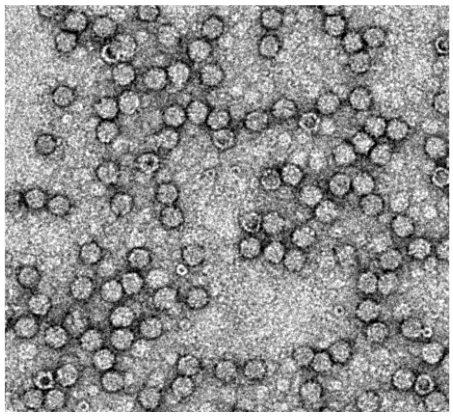
專書

1. Special Issue of "*Viruses*": "State-of-the-Art Avian Viruses Research in Asia"(2022 Oct) (ISBN 978-3-0365-6623-8). Editor: Chi-Young Wang 主編:王之仰
2. Special Issue of "*Viruses*": "Recent Advances of Avian Viruses Research"(2025 Feb) (ISBN 978-3-7258-3348-1). Editor: Chi-Young Wang 主編:王之仰

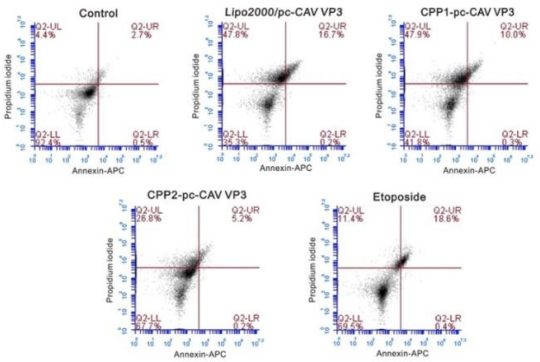


抗家禽傳染性支氣管病毒蛋白活性的效力評估與藥物結合模型

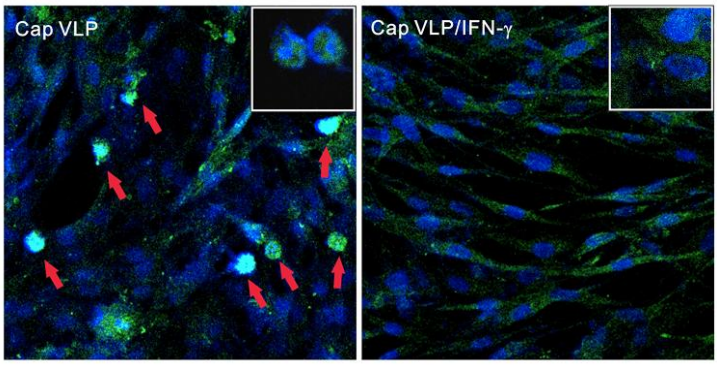


以重組病毒攜帶外來基因治療動物疾病模式

(發表於 *Virus Research 349: 199458)*



利用流式細胞儀觀察病毒蛋白導致細胞凋亡的現象 *Virus Research 330: 199109)*



在共軛焦顯微鏡下觀察干擾素-γ阻止類病毒顆粒的核進入(發表於 (發表於 *Virus Research* 308:198634) (6/1/2025)