

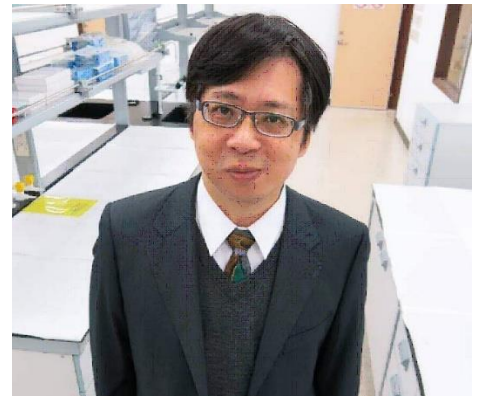
## 黃文忠 ( Hvang, Wen-Chung )

職稱：教授

主要學歷： 國立師範大學生命科學系博士

分機號碼：5112

電子郵件帳號：wchuang@mail.cgust.edu.tw



研究室：健康產業科技研究所

研究室成員：研究助理：1 位、碩士生：5 位、大學生：3 位

研究專長：氣喘、免疫、肥胖、非酒精性脂肪肝

研究概要：

研究領域主要聚焦在肥胖、非酒精性脂肪肝及氣喘之免疫調節領域，實驗室團隊已成功建立肥胖及氣喘動物模式，並依疾病相關性將二種動物模式結合，建置穩定肥胖的氣喘小鼠模式，以供探討肥胖與氣喘之疾病連動性探討。團隊有純熟的各式細胞篩選平台，提供本土植物及生物活性成分的檢測。

研究方向：

1. 天然物調節氣喘小鼠
2. 天然物改善肥胖小鼠之非酒精性脂肪肝與相關的代謝途徑
3. 天然物改善異位性皮膚炎小鼠的發炎與免疫機轉

執行中計畫：

1.科技部：(2023-2026 年)柑橘新穎類黃酮 Neohesperidin 調節脂肪激素、免疫細胞功能和 NLRP3 發炎體途徑以減緩肥胖氣喘小鼠之呼吸道過度反應、發炎與氧化壓力的作用 2. 長庚醫院：(2023-2024 年) Bacopaside N2 改善肥胖小鼠的脂肪組織、肝臟之發炎、脂質代謝與胰島素阻抗，並評估調節 AMPK 與 FGF21 pathway 作用

#### 專利/榮譽及獎項：

1.108 年度:長庚科技大學產學合作技術研發金獎

2.108 年度:長庚醫療財團法人研究獎勵

5.109 年度:長庚醫療財團法人研究獎勵

4.110 年度:長庚科技大學產學合作技術研發獎

5.110 年度:長庚醫療財團法人研究獎勵

#### 論文著作：

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- 2.Wen-Chung Huang, Shu-Ju Wu Feng-Wen Hsu, Li-Wen Fang, Chian-Jiun Liou (2023, Dec).Mulberroside F improves airway hyperresponsiveness and inflammation in asthmatic mice. *Kaohsiung Journal of Medical Sciences*, 39(12):1213-1221. (IF:3.3). 本人為第一作者
- 3.Wen-Chung Huang, Shu-Ju Wu, Li-Wen Fang, Tzu-Yung Ling, Chian-Jiun Liou (2023, Jul). Phillyrin attenuates airway inflammation and Th2 cell activities in a mouse asthma model. *Food and Agricultural Immunology*, 34, 2231182. (IF:3.0). 本人為第一作
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\* 通訊作者

# 共同第一作者

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