



實驗室主持人學經歷

詳細著作與計畫
請掃QR code



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最高學歷：國防醫學院生命科學博士
經歷：國家衛生研究院癌症研究所博士後研究員
學術專長：微生物與免疫學、生理與藥理學、實驗動物
教授科目：臨床微生物檢驗學(含實驗)、分子與細胞免疫學(含實驗)、病毒免疫學(含實驗)

Name: Jiun-Han Chen
Job title: Assistant Professor
Highest education: PhD, Life Science, National Defense Medical Center, Taiwan.
Research Interests: Bacterial virulent factors、Antimicrobial agents and resistance Infectious diseases、Pathogenesis of atherosclerosis、Therapeutic effects of traditional Chinese herbs、Pathogenesis of atherosclerosis、Therapeutic effects of traditional Chinese herbs
Teach subjects: Clinical microbe diagnosis and lab, Clinical chemistry, Virology, Molecular biology, Cell biology, Immunology

實驗室簡介

*K. pneumoniae*為常見之院內及社區型感染菌種之一，其症狀包括泌尿道、呼吸道甚至是系統性感染，在臨床上的影響不容忽視。本團隊針對此菌之致病力與抗藥性作為研究之主軸。另外，我們還想釐清毒力與抗藥之間的關係，目前為止仍朝各種方向加以證明我們的論點。*K. pneumoniae*疫苗之開發:由於抗藥性的增加，使得*K. pneumoniae*的治療越顯困難，尤其免疫力下降患者最具風險，我們目前正進行數個抗原的測試，此結果將有助於肝膿瘍之預防。

核心技術

細胞培養技術、細菌培養技術、流式細胞儀、細胞免疫螢光技術。

Laboratory profile

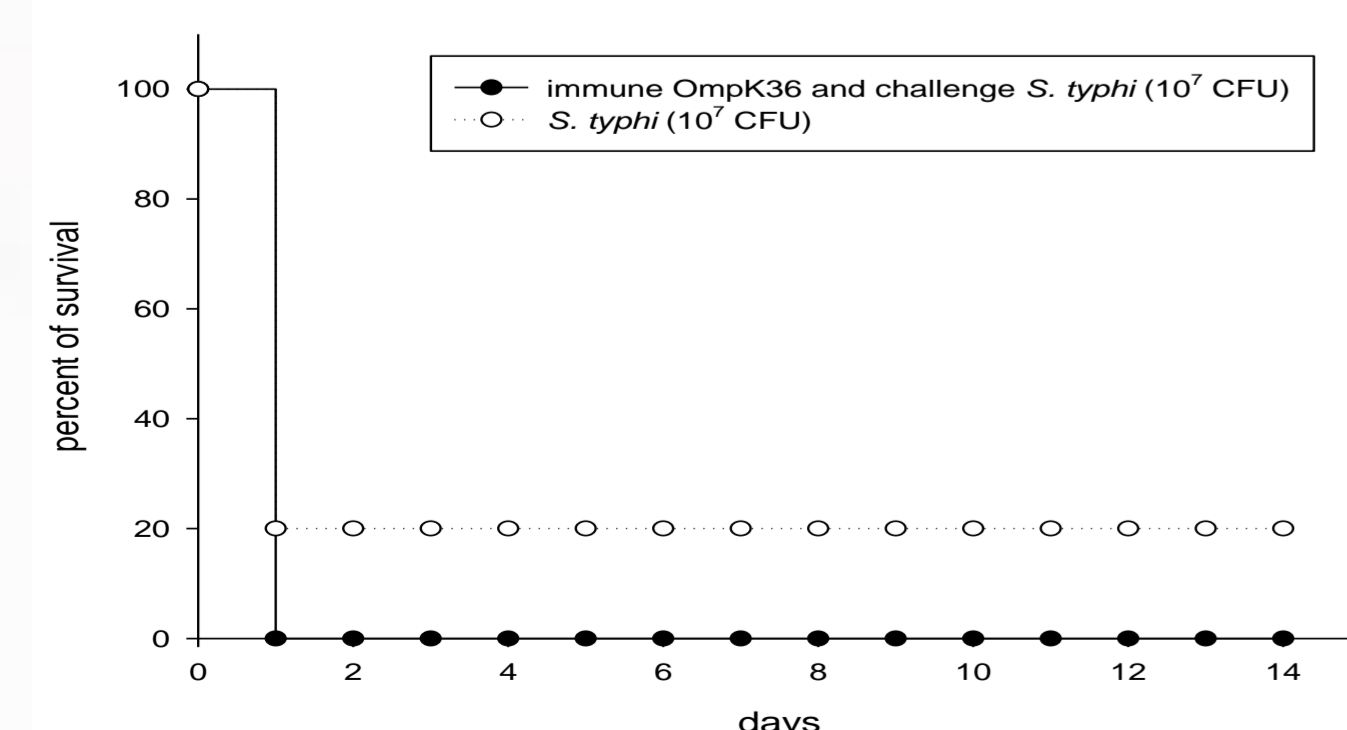
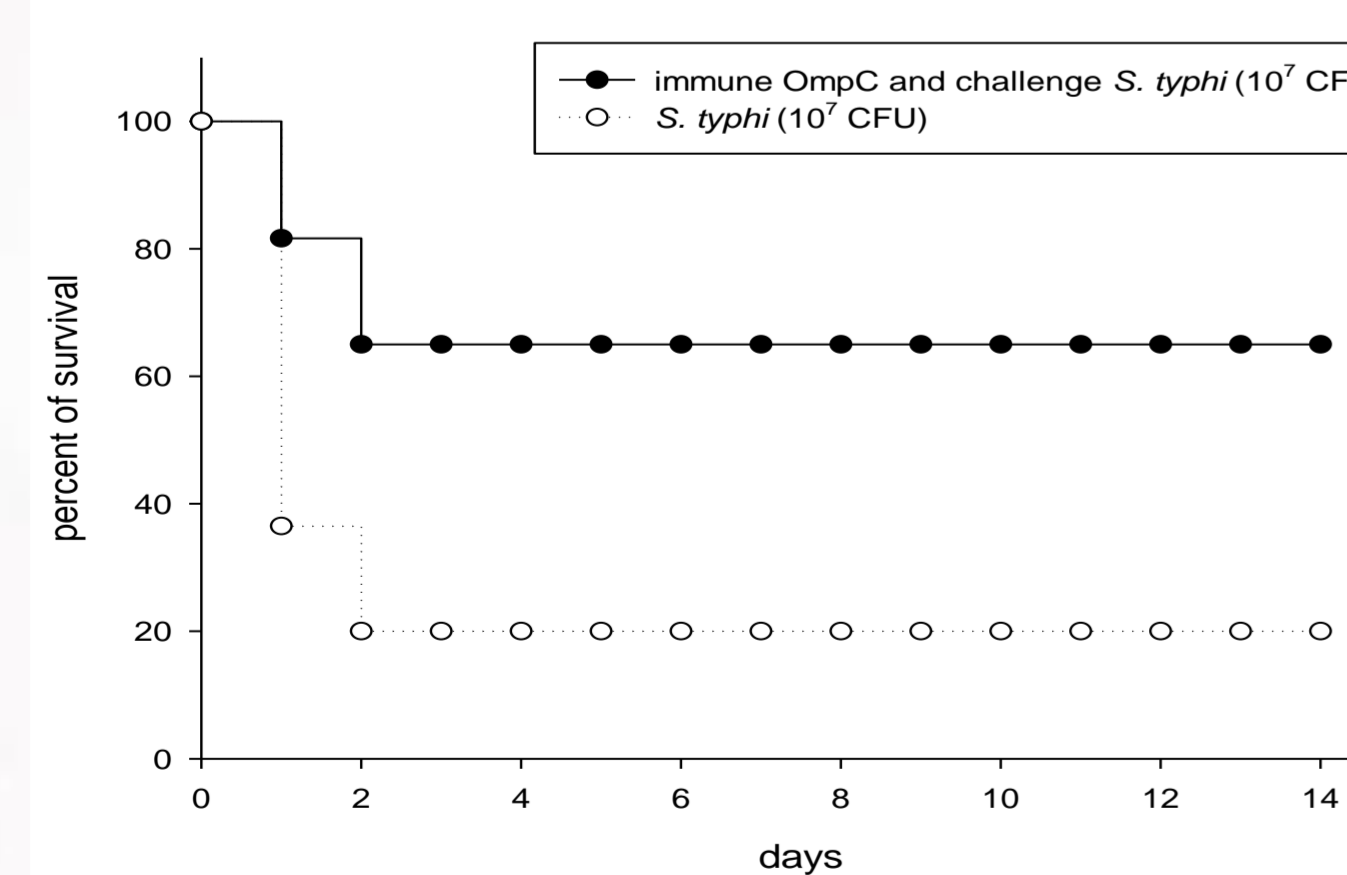
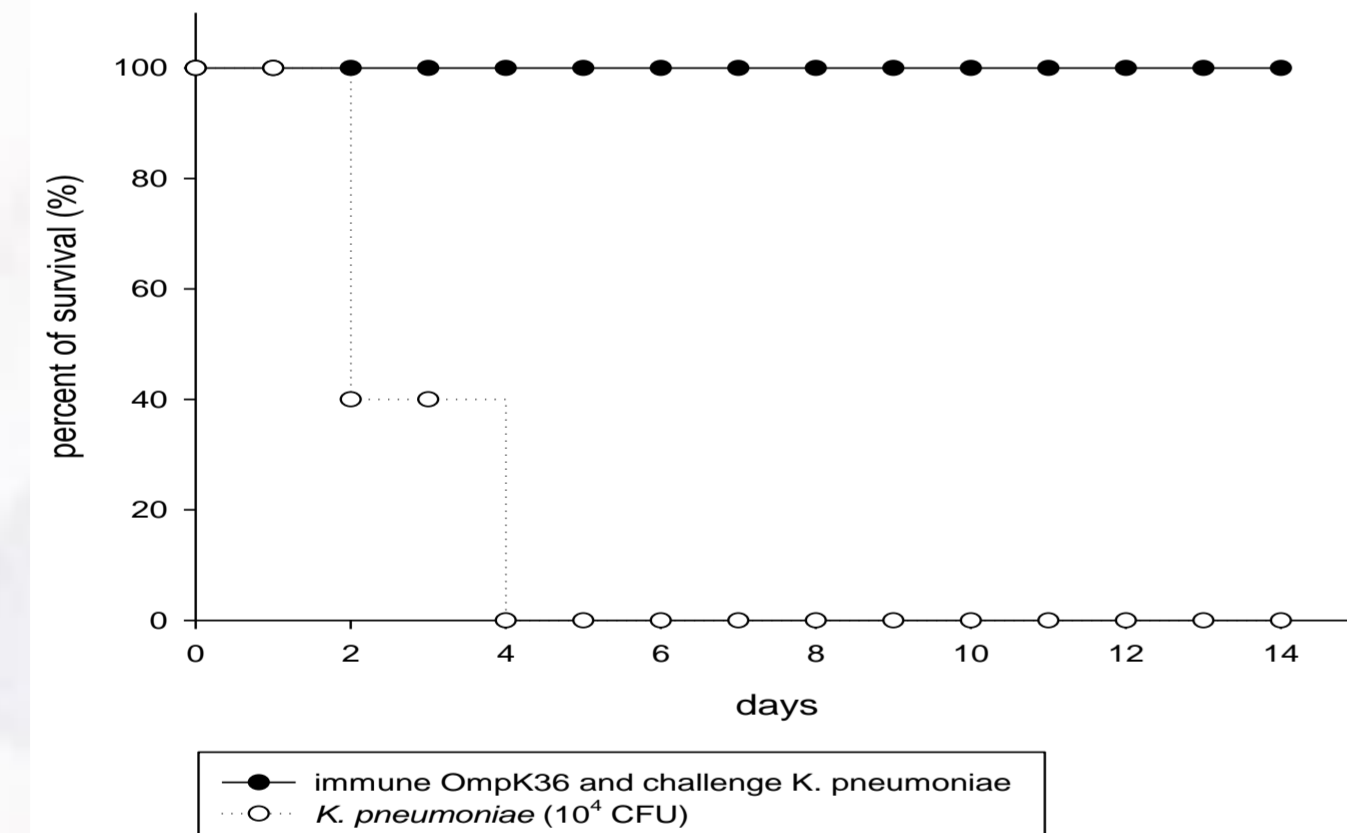
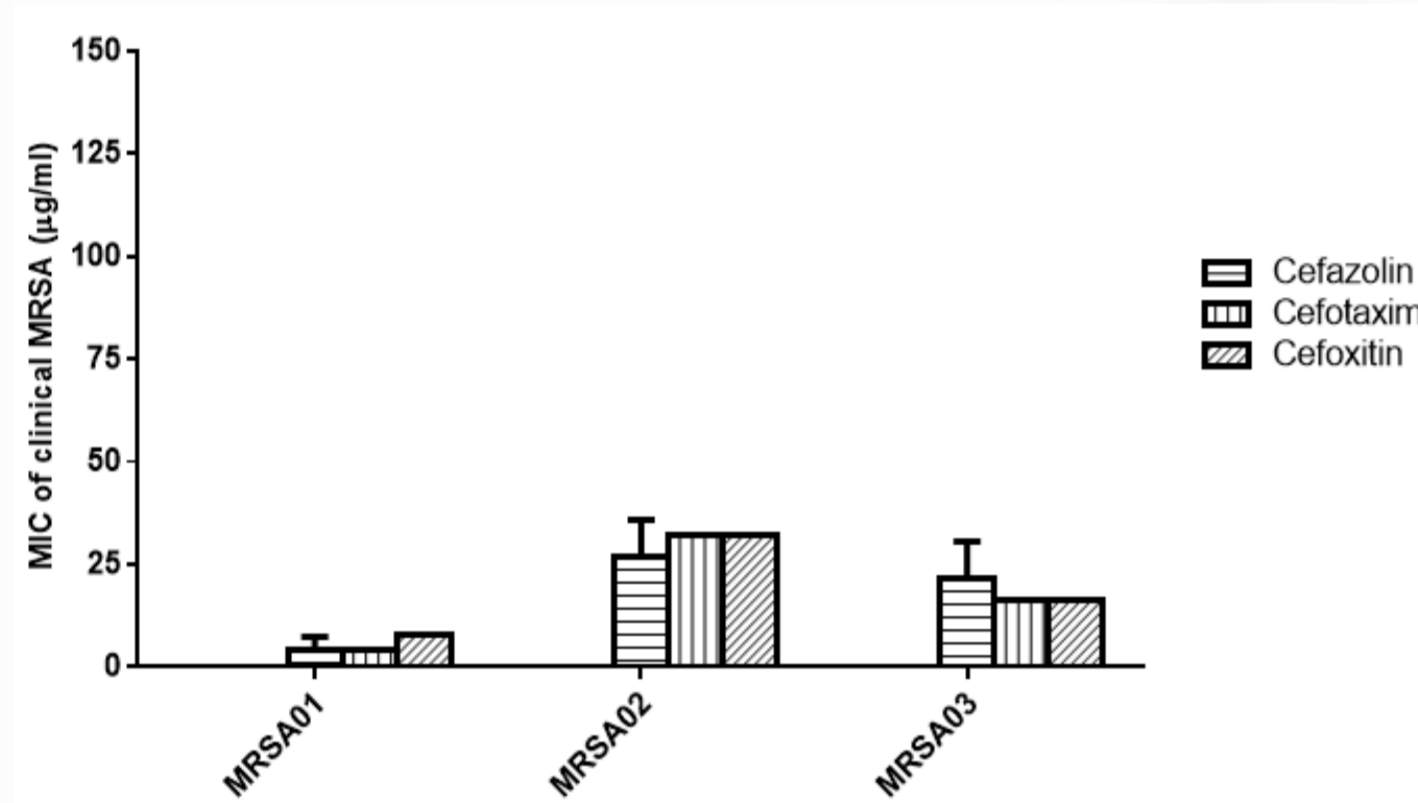
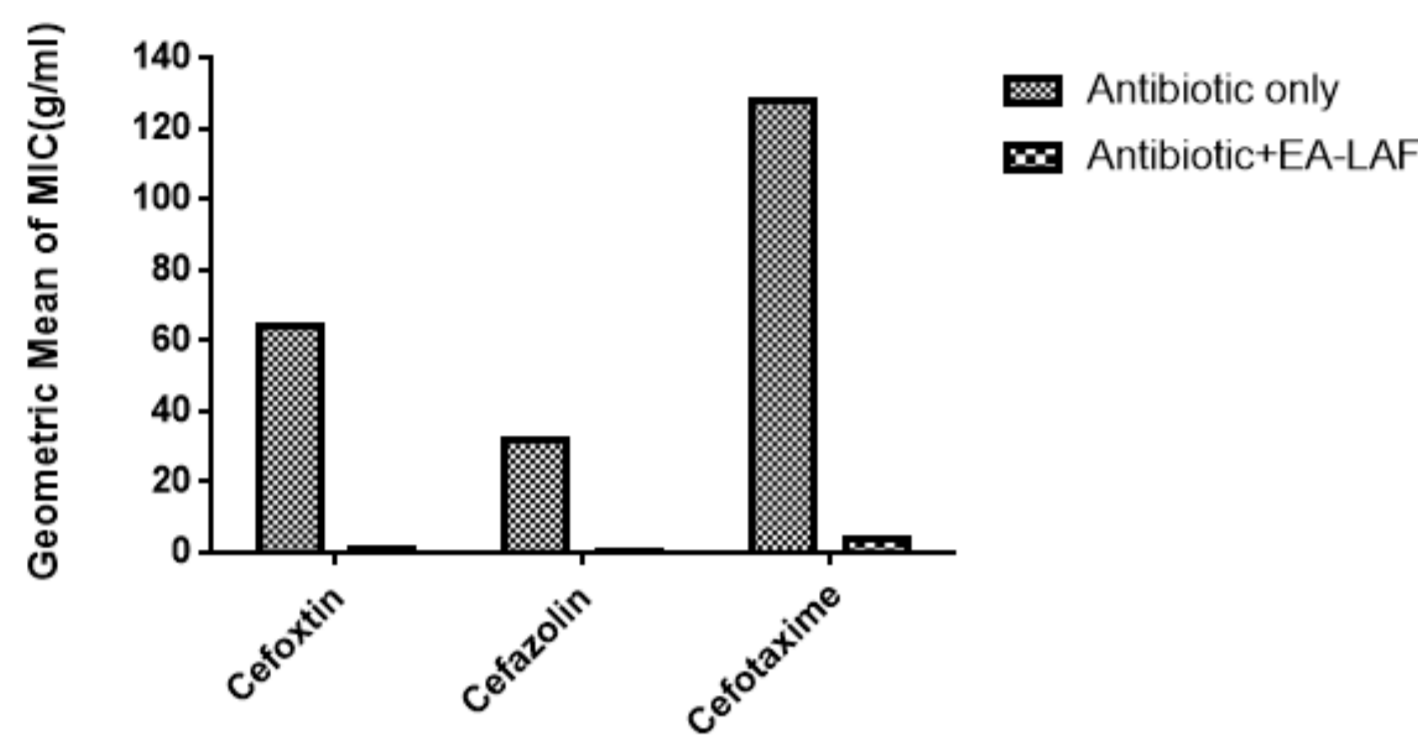
K. pneumoniae is a commonly encountered infectant both in nosocomial and community acquired infection. It can caused several diseases such as urinary tract, respiratory and the systemic Infections. The *K. pneumoniae* induced diseases are important issues in clinical. The aims of our study are focus on the pathogenesis and the antibiotics resistance of *K. pneumoniae*. In addition, we are trying to clarify the relationship between virulence and antibiotic resistance. We also investigated the vaccine that against *K. pneumoniae* infection; this may help to protect the immunocompromised patients from *K. pneumoniae* induced diseases.

Core Technologies

Cell culture technology, Bacteria culture, mouse tumor xenograft, flow cytometry, immunofluorescence.

Important publications

- Impaired immune response and barrier function in GSPD-1-deficient *C. elegans* infected with *Klebsiella pneumoniae*. Yang WH, Chen PH, Chang HH, Kwok HL, Stern A, Soo PC, **Chen JH**, Yang HC. *Curr Res Microb Sci*. 2023 Jan 27;4:100181. PMID: 36798906
- Cross-protection induced by highly conserved outer membrane proteins (Omps) in mice immunized with OmpC of *Salmonella Typhi* or OmpK36 of *Klebsiella pneumoniae*. Esther Yip-Mei Liu, **Jiun-Han Chen**, Jung-Chung Lin, Ching-Hsun Wang, Chang-Phone Fung, Yi-Jiun Ding, Feng-Yee Chang, L Kristopher Siu. PMID: 35331568
- Contribution of Outer Membrane Porin (Omp) K36 to *Klebsiella pneumoniae* induced Liver Abscess," *International Journal of Clinical & Medical Microbiology*. Chang JL, Tsai WC, **Chen JH***, 2016, 1:112-116.



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