

生化科技學系教師個人資料

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經歷

國立嘉義大學 生化科技學系暨研究所 助理教授 (2019.08~)
 國立嘉義大學 生化科技學系暨研究所 專案助理教 (2016.08-2018.07)
 嘉義基督教醫院 內科部 副研究員 (2014.12~2016.07)
 瑞基海洋生物科技股份有限公司 研發部 研究員 (2014.08-2014.11)
 國家衛生研究院 感染症與疫苗研究所 感染症組 博士後研究員 (2011.06-2014.07)

期刊編輯委員

BMC infectious diseases (2019. 07~)

證照

醫事檢驗師

研究領域及興趣

研究領域

1. 抗菌藥物/物質的篩選與開發
2. 分子流行病學研究 (感染症)
3. 致病微生物的致病/抗藥機制
4. 臨床醫學
5. 微生物在農業與環境上的應用

專長

1. 微生物學
2. 分子生物學
3. 生物化學

研究成果

First author; #corresponding author <http://www.ncbi.nlm.nih.gov/pubmed/?term=Yih-Yuan+Chen>

1. Chih-Yen Hsiao, Tsung-Hsien Chen, Yi-Chien Lee, Meng-Chang Hsaio, Peir-Haur Hung, **Yih-Yuan Chen** and Ming-Cheng Wang (2019) Urolithiasis is a risk factor for uroseptic shock and acute kidney in patient with urinary tract infection. *Forntiers in medicine* 6:288 doi.org/10.3389/fmed.2019.00288 (SCI)
2. Yen-Ting Lu, Shao-Hung Wang, Ming-Li Liou, Ting-An Shen, Ying-Chou Lu, Chung-Han Hsin, Shun-Fa Yang, **Yih-Yuan Chen**#, Tzu-Hao Chang (2019) Microbiota dysbiosis in fungal rhinosinusitis. *Journal of clinical medicine* 14;8(11). pii: E1973. doi: 10.3390/jcm8111973.(SCI)
3. Ching-Hsun Wang, Po-Liang Lu, Esther Yip-Mei Liu, **Yih-Yuan Chen**, Fu-Mei Lin, Yi-Tsung Lin, Feng-Yee Chang and Jung-Chung Lin. (2019) Rapid identification of capsular serotype K1/K2 *Klebsiella pneumoniae* in pus samples from abscess patients and positive blood culture samples from bacteremia cases via an immunochromatographic strip assay. *Gut pathogens* 11:11 (SCI)
4. Yen-Chung Lee, **Yih-Yuan Chen**, Jian-Sin Lin, Yi-Wun Chen, Jia-Jhan Li, Kun-Xin Liang, Hsin-Hua Chan, Wei-De Lin, and Chao-Hung Kao (2018) Stereoselective Synthesis of (1*R*, 2*S*)-Norephedrine by Recombinant Whole-Cell Biocatalysts Coupling Acetohydroxyacid Synthase I and ω -Transaminase. *Process biochemistry* 73:74-81. doi.org/10.1016/j.procbio.2018.08.009 (SCI)
5. Yu-Tze Horng, **Chi-Jen Wang**, Wen-Ting Chung, Huei-Jen Chao, **Yih-Yuan Chen** and Po-Chi Soo (2018) Phosphoenolpyruvate phosphotransferase system components positively regulate *Klebsiella* biofilm formation. *Journal of Microbiology, Immunology and Infection* pii: S1684-1182(17)30115-9. doi: 10.1016/j.jmii.2017.01.007. (SCI)
6. Chao-Hung Kao, **Yih-Yuan Chen**, Lian-Ren Wang and Yen-Chung Lee (2018) Production of *N*-acetyl-*D*-neuraminic acid by recombinant single whole cell co-expressing *N*-acetyl-*D*-glucosamine 2-epimerase and *N*-acetyl-*D*-neuraminic acid aldolase. *Molecular biotechnology* ;60(6):427-434. doi: 10.1007/s12033-018-0085-4. (SCI)
7. **Yih-Yuan Chen**,*# Jia-Ru Chang, Wei-Feng Huang, Chih-Hao Hsu, Han-Ying Cheng, Jun-Ren Sun, Shu-Chen Kuo, Ih-Jen Su, Ming-Shian Lin, Wei Chen and Horng-Yunn Dou. (2017) Genetic diversity of the *Mycobacterium tuberculosis* East African-Indian family in three tropical Asian counties. *Journal of Microbiology, Immunology and Infection* pii: S1684-1182(15)00909-3. (SCI)
8. **Yih-Yuan Chen***, Jia-Ru Chang, Chih-Da Wu, Yen-Po Yeh, Shiu-Ju Yang, Chih-Hao Hsu, Ming-Ching Lin, Ching-Fang Tsai, Ming-Shian Lin, Ih-Jen Su and Horng-Yunn Dou (2017) Combining molecular typing and spatial pattern analysis to identify areas of high tuberculosis transmission in a moderate-incidence county in Taiwan. *Scientific Reports* 7(1):5349. doi: 10.1038/s41598-017-05674-6. (SCI)
9. Horng-Yunn Dou, Chien-Hsing Lin, **Yih-Yuan Chen**, Shiu-Ju Yang, Jia-Ru Chang, Keh-Ming Wu, Ying-Tsong Chen, Pei-Ju Chin, Yen-Ming Liu, Ih-Jen Su, Shih-Feng Tsai (2017) Lineage-specific SNPs for genotyping of *Mycobacterium tuberculosis* clinical isolates. *Scientific Reports* 7(1):1425. doi: 10.1038/s41598-017-01580-z. (SCI)
10. Horng-Yunn Dou, **Yih-Yuan Chen**, Ying-Tsong Chen, Jia-Ru Chang, Chien-Hsing Lin, Keh-Ming Wu, Ming-Shian Lin, Ih-Jen Su and Shih-Feng Tsai (2016) Genomics study of *Mycobacterium tuberculosis* strains from different ethnic populations in Taiwan. *Evolutionary bioinformatics* 27; 12:213-221 (SCI)
11. Yih-Che Lu, Ying-Ray Lee, Ji-Der Liao, Ching-Yen Lin, **Yih-Yuan Chen**, Ping-Tzu Chen, Ya-Shih Tseng (2016) Reversine induced multinucleated cells, cell apoptosis and autophagy in human non-small cell lung cancer cells. *PLoS one* 11(7):e0158587 (SCI)
12. Hung-Ping Wang, Chun-Ming Chen, **Yih-Yuan Chen**, Wei Chen (2016) Bronchiolitis obliterans organizing pneumonia as an initial presentation of systemic lupus erythematosus: a rare case report and review of the literature *Case reports in medicine* 2016(2016):8431741
13. Yin-Che Lu, Chin-Li Lu, **Yih-Yuan Chen**, Ping-Tzu Chen, Ming-Sian Lin, Wei Chen and Solomon Chih-Cheng Chen (2016) Trend of incidence of second primary malignancies following breast

研究成果

14. Kuo-Shao Sun, Ching-Fang Tsai, Chih-Cheng Chen, **Yih-Yuan Chen***, Wan-Chun Huang (2016). Galactomannan Test and the Incidence of Invasive Pulmonary Aspergillosis: A 10-Year Nationwide Population-Based Study in Taiwan. *PLoS one* **11(2):e0149964** (SCI)(Equal contribution to the first author)
15. Yu-Chieh Liao, Tze-Tze Liu, Jia-Ru Chang, **Yih-Yuan Chen**, Hsin-Hung Lin, Chih-Hao Hsu, Ching-Yen Lin, Ying-Chih Lo, and Horng-Yunn Dou. (2015) Draft genome sequence of Mycobacterium tuberculosis clinical strain W06, a most prevalent Beijing genotype isolated in Taiwan. *Genome Announcements* **10;3(6). pii: e01460-15**
16. Wei Chen, **Yih-Yuan Chen**, Ching-Fang Tsai, Solomon Chih-Cheng Chen, Ming-Shian Lin, Lorraine B. Ware and Chuan-Mu Chen. (2015) Incidence and Outcomes of Acute Respiratory Distress Syndrome - A Nationwide Registry Based Study in Taiwan, 1997 to 2011 *Medicine* **94(43):e1849**. (SCI)
17. Chun-Wei Lin, **Yih-Yuan Chen**, Yi-Jen Chen, Chi-Yen Liang, Ming-Shian Lin, and Wei Chen (2015) Prevalence, risks factors and health-related quality of osteoporosis in patients with COPD: A cross-sectional study in Taiwan. *International Journal of Chronic Obstructive Pulmonary Disease* **29;10: 1493-1500** (SCI)
18. Kuo-Shao Sun, Ming-Shian Lin, Yi-Jen Chen, **Yih-Yuan Chen**, Solomon Chih-Cheng Chen and Wei Chen (2015) Is asymptomatic peripheral arterial disease associated with walking endurance in patients with COPD? *International Journal of Chronic Obstructive Pulmonary Disease* **29;10: 1487-1492** (SCI)
19. **Yih-Yuan Chen,*** Han-Chiang Wu, Juey-Wen Lin and Shu-Fen Weng. (2015). Functional properties of major outer membrane proteins in *Stenotrophomonas maltophilia*. *Journal of Microbiology* **53(8):535-543** (SCI)
20. Char-Wen Chen, **Yih-Yuan Chen,*** Chin-Li Lu, Solomon Chih-Cheng Chen, Ming-Shian Lin and Wei Chen (2015) Severe hypoalbuminemia is a strong independent risk factor for acute respiratory failure in COPD: a nationwide cohort study. *International Journal of Chronic Obstructive Pulmonary Disease* **17;10:1147-1154** (SCI) (Equal contribution to the first author)
21. **Yih-Yuan Chen,*** Chih-Wei Lin, Wei-Feng Huang, Jia-Ru Chang, Ih-Jen Su, Chih-Hao Hsu, Han-Ying Cheng, Shu-Ching Hsu and Horng-Yunn Dou. (2015) Recombinant Bacille Calmette-Geurin co-expressing Ag85b, CFP10 and IL12 elicits effective protection against *Mycobacterium tuberculosis*. *Journal of Microbiology, Immunology and Infection* **pii:S1684-1182 (14) 00250-3** (SCI)
22. **Yih-Yuan Chen,*** Jia-Ru Chang, Shu-Chen Kuo, Fan-Chen Tseng, Wei-Chen Huang, Tsi-Shu Huang, Yao-Shen Chen, Tzong-Shi Chiueh, Jun-Ren Sun, Ih-Jen Su and Horng-Yunn Dou. (2015) Molecular epidemiology of tuberculosis in Kaohsiung city located at southern Taiwan, 2000-2008. *PLoS one* **Jan 28; 10(1):e0117061**(SCI) d population migration. **Review article, Journal of Formosan Medical Association. pii: S0929-6646(14)00228-9.** (SCI)
23. Horng-Yunn Dou, **Yih-Yuan Chen**, Shu-Chen Kuo and Ih-Jen Su (2014) Prevalence of *Mycobacterium tuberculosis* strain genotypes in Taiwan reveals a close link to ethnic and population migration. **Review article, Journal of Formosan Medical Association. pii: S0929-6646(14)00228-9.** (SCI)
24. Yu-Tzu Horng, Wen-Yih Jeng, **Yih-Yuan Chen**, Che-Hung Liu, Horng-Yunn Dou, Jen-Jyh Lee and Po-Chi Soo (2015) Molecular analysis of codon 548 in *rpoB* gene involved in *Mycobacterium tuberculosis* resistance to rifampin. *Antimicrobial Agents and Chemotherapy* **pii:AAC04374-14** (SCI)
25. **Yih-Yuan Chen,*** Fan –Chen Tseng, Jia-Ru Chang, Shu-Chen Kuo, Jen-Jyn Lee, Jun-Jun Yeh, Tzong-Shi Chiueh, Jun-Ren Sun, Ih-Jen Su and Horng-Yunn Dou. (2014) Distinct modes of transmission of tuberculosis in aboriginal and non-aboriginal populations in Taiwan. *PLoS one* **Nov 13; 9(11):e112633** (SCI)
26. Yu-Chieh Liao, **Yih-Yuan Chen**, Hsin-Hung Lin, Jia-Ru Chang, Ih-Jen Su, Tsi-Shu Huang and Horng-Yunn Dou. (2014) Draft genome sequence of the *Mycobacterium tuberculosis* clinical isolate A2 and A4, isolated from a relapse patient in Taiwan. *Genome Announcements* **Sep 4;2(5). pii: e000672-14.**

研究成果

27. Feng-Chi Chen, Yu-Chieh Liao, Jie-Mao Huang, Chieh-Hua Lin, **Yih-Yuan Chen**, Horng-Yunn Dou and Chao Agnes Hsiung. (2014) Pros and cons of the tuberculosis drugome approach-an empirical analysis. *PLoS one* Jun 27; 9(6):e100829 (SCI)
28. Yu-Chieh Liao, **Yih-Yuan Chen**, Hsin-Hung Lin, Jia-Ru Chang, Ih-Jen Su, Tsi-Shu Huang and Horng-Yunn Dou. (2014) Draft genome sequence of the *Mycobacterium tuberculosis* clinical isolate C2, belonging to Latin American-Mediterranean family. *Genome Announcements* Jun 5;2(3). pii: e00536-14
29. **Yih-Yuan Chen**,* Jia-Ru Chang, Wei-Feng Huang, Shu-Ching Hsu, Shu-Chen Kuo, Jun-Ren Sun and Horng-Yunn Dou. (2014) The pattern of cytokine production in vitro induced by ancient and modern Beijing *Mycobacterium tuberculosis* strains *PLoS one* e94296 (SCI)
30. **Yih-Yuan Chen**,* Jia-Ru Chang, Wei-Feng Huang, Shu-Chen Kuo, Jun-Jun Yeh, Jen-Jyh Lee, Chang-Sheng Jang, Jun-Ren Sun, Tzong-Shi Chiueh, Ih-Jen Su and Horng-Yun Dou. (2014) Molecular epidemiology of *Mycobacterium tuberculosis* in aborigines peoples of Taiwan, 2006-2011. *Journal of Infection* 68:332-337 (SCI)
31. Jia-Ru Chang, **Yih-Yuan Chen**,* Tsi-Shu Huang, Wei-Feng Huang, Shu-Chen Kuo, Fan-Chen Tseng, Ih-Jen Su, Chieh-Hsing Lin, Yao-Shen Chen, Jun-Ren Sun, Tzong-Shi Chiueh and Horng-Yunn Dou. (2012). Clonal expansion of both modern and ancient genotypes of *Mycobacterium tuberculosis* in southern Taiwan. *PLoS one* e43018 (SCI)(Equal contribution to the first author)
32. **Yih-Yuan Chen**,* Jia-Ru Chang, Wei-Feng Huang, Shu-Chen Kuo, Ih-Jen Su, Jun-Ren Sun, Tzong-Shi Chiueh, Tsi-Shu Huang, Yao-Shen Chen and Horng-Yunn Dou. (2012). Genetic diversity of the *Mycobacterium tuberculosis* Beijing family based on SNP and VNTR typing profiles in Asian countries. *PLoS one* e39792 (SCI)
33. Chih-Wen Lin, Ih-Jen Su, Jia-Ru Chang, **Yih-Yuan Chen**, Jang-Jih Lu, and Horng-Yunn Dou. (2012). Recombinant BCG coexpressing Ag85B, CFP10, and interleukin-12 induces multifunctional Th1 and memory T cells in mice. *APMIS* 120: 72-82. (SCI)
34. **Yih-Yuan Chen**,* Chieh-Hao Wu, Juey-Wen Lin, Shu-Fen Weng and Yi-Hsiung Tseng (2010). Mutation of the gene encoding a major outer membrane protein in *Xanthomonas campestris* pv. *campestris* causes pleiotropic effects including loss of pathogenicity. *Microbiology* 156:2842 - 2854. (SCI)
35. Shu-Fen Weng, Juey-Wen Lin, Chih-Hung Chen, **Yih-Yuan Chen**, and Yi-Hsuan Tseng and Yi-Hsiung Tseng. (2004). Constitutive expression of a chromosomal class A (BJM group 2) β -lactamase in *Xanthomonas campestris*. *Antimicrob Agents Chemother* 48: 209-215. (SCI)