

主要學歷

請填學士級以上學歷或其他最高學歷均可

畢/肄業學校	國別	主修學門系所	學位	起訖年月
紐約州立大學	美國	細胞生物化學研究所	博士	1985/08~1990/06

現職及與專長相關之經歷

指與研究相關之專任職務，請依任職之時間先後順序由最近者往前追溯。

服務單位	服務部門	職稱	服務期間 起	服務期間 迄
國立陽明大學	神經科學研究所	教授	2012/2/1	
國立陽明大學	神經科學研究所	副教授	1993/8/1	2012/1/31
臺北市立聯合醫院	陽明院區	兼任副研究員	2006/8/1	
國立陽明大學	發育學程	合聘教師	1999/8/1	2004/7/31
美國紐約州立大學	Neurobiology and Behavior	博士後研究	1991/1/1	1993/5/1
美國紐約州立大學	Biochemistry and Cell Biology	研究助理	1987/8/1	1990/12/1
美國紐約州立大學	Biology	助教	1985/8/1	1987/8/1

四、專長

請自行填寫與研究方向有關之學門名稱/學術專長

專長(中文)	專長(英文)
分子細胞生物學	Molecular and Cell Biology
脊椎動物神經發育學	Neurobiology of Vertebrate
斑馬魚神經發育	Neurogenesis of Zebrafish
神經發炎與老化	Neuroinflammation and Aging
阿滋海默症	Alzheimer's Disease

五、研究成果目錄：

1. Lin YL †, Tsay HJ † (蔡惠珍), Lai TH, Tzeng TT, Shiao YJ * (2015)

Lithospermic acid attenuates 1-methyl-4-phenylpyridine -induced neurotoxicity by blocking neuronal apoptotic and neuroinflammatory pathways. J. Biomedical Sci.

22:37.

2. Yeh CW, Skye Yeh HH, Shie FS, Lai WS, Liu HK , Tzeng TT, Tsay HJ* (蔡惠珍), Shiao YJ *(2015) Aggravated cognitive dysfunction and impaired cerebral glucose regulation are associated with astrocytic activation in the parenchyma of metabolically stressed APP^{swe}/PS1^{dE9} mice. *Neurobiology of Aging* 2015 36(11): 2984-94.
3. Shie FS, Shiao YJ, Yeh CW, Lin CH, Tzeng TT, Hsu HC, Huang FL, Tsay HJ* (蔡惠珍), Liu HK* (2015) Obesity and hepatic steatosis are associated with elevated serum amyloid beta in metabolically stressed APP^{swe}/PS1^{dE9} Mice. *PlosOne* 2015 10(8):e0134531
4. Tsay HJ † (蔡惠珍), Huang YC†, Chen YJ, Lee YH, Hsu SM, Tsai KC, Yang CN, Huang FL, Shie FS, Lee LC*, Shiao YJ * (2016) Identifying N-linked glycan moiety and motifs in the cysteine-rich domain critical for N-glycosylation and intracellular trafficking of SR-AI and MARCO. *J. Biomedical Sci.* 23:27
5. Lee KI, Lee HT, Lin HC, Tsay HJ (蔡惠珍), Tsai C, Shyue SK, Lee TS * (2016) The Role of transient receptor potential ankyrin 1 channels in Alzheimer's disease. *J Neuroinflammation* 13(1): 92.
6. Chang CC†, Yuan W†, Roan HY, Chang JL, Huang HC, Lee YC, Tsay HJ * (蔡惠珍), Liu HK* (2016) The ethyl acetate fraction of corn silk exhibits dual antioxidant and anti-glycation activities and protects insulin-secreting cells from glucotoxicity. *Complementary and Alternative Medicine* 16(1): 432
7. Chang CC†, Yuan W†, Lin YL, Liu RS, Juan YC, Sun WH, Tsay HJ (蔡惠珍), Huang HC, Lee YC, Liu HK * (2016) Evaluation of the *in vivo* therapeutic effects of Radix Paeoniae Rubra ethanol extract with the hypoglycemic

activities measured from multiple cell-based assays. Evidence-Based Complementary and Alternative Medicine 25(1):123

8. Yeh CW, Liu, HK Lin LC, Liou KT, Huang YC, Lin CH, Tzeng TT, Shie FS, Huey-Jen Tsay* (蔡惠珍), Shiao YJ* (2017) Xuefu Zhuyu decoction ameliorates obesity, hepatic steatosis, neuroinflammation, amyloid deposition and cognition impairment in metabolically stressed APP^{swe}/PS1^{dE9} mice. Journal of Ethnopharmacology 209 (2017) 50–61
9. Huang YC†, Tsay HJ (蔡惠珍)†, Lu MK, Lin CH, Yeh CW, Liu HK*, Shiao YJ* (2017) Astragalus membranaceus-polysaccharides ameliorates obesity, hepatic steatosis, neuroinflammation and cognition impairment without affecting amyloid deposition in metabolically stressed APP^{swe}/PS1^{dE9} Mice. International Journal of Molecular Sciences. 182746
10. Tzeng† TT, Chen CC, Chen CC, Tsay HJ (蔡惠珍), Lee LY, Chen WP, Shen CC and Shiao YJ* (2018) The Cyanthin Diterpenoid and Sesterterpene constituents of *Hericium erinaceus* Mycelium ameliorate Alzheimer's Disease-related pathologies in APP/PS1 transgenic mice. International Journal of Molecular Sciences, 19, 598.
11. Lee YH†, Hsu HC†, Kao PC, Young-Ji Shiao, Skye Hsin-Hsien Yeh, Feng-Shiun Shie Shu-Meng Hsu, Chih-Wen Yeh, Hui-Kang Liu, Shi-Bing Yang*, Huey-Jen Tsay* (蔡惠珍) (2018) Augmented insulin and leptin resistance of high fat diet-fed APP^{swe}/PS1^{dE9} transgenic mice exacerbate obesity and glycemic dysregulation. International Journal of Molecular Sciences 19 (8). pii: E2333
12. Chen HM, Lee LC, Hu KY, Tsai WJ, Huang C, Tsay HJ (蔡惠珍)*, Liu HK* (2018) The application of post-translational modification oriented serum proteomics to assess experimental diabetes with complications. PlosOne: e0206509.

13. Yeh SHH†, Shie FS†, Liu HK, Yao HH, Kao PC, Lee YH, Chen LM, Hsu SM, Chao LJ, Wu KW, Shiao YJ*, Tsay HJ (蔡惠珍)* (2019) A high-sucrose diet aggravates Alzheimer's disease pathology, attenuates hypothalamic leptin signaling, and impairs food-anticipatory activity in APP^{swe}/PS1^{dE9} mice. *Neurobiology of Aging* 90: 60-74
14. Tsay HJ (蔡惠珍)†, Liu HK, Kuo YH†, Chiu CS, Liang CC, Chung CW, Chen CC, Ye Chen YP, Shiao YJ* (2021). EK100 and Antrodin C improve brain Amyloid pathology in APP/PS1 transgenic mice by promoting microglial and perivascular clearance pathways. *International Journal of Molecular Sciences* 22, 10413
15. Hsu TA†, Tien CF, Yu GY, Shen S, Lee YH, Hsu PC, Wang Y, Chao PK, Tsay HJ (蔡惠珍), Shie FS* (2021) The Effects of A β 1-42 binding to the SARS-CoV-2 spike protein S1 subunit and angiotensin-converting enzyme 2. *International Journal of Molecular Sciences* 22, 8226.
16. Lin CH†, Tao, PL, Tsay HJ (蔡惠珍), Chiang YC, Chang WT, Ho IK, Shie FS (2021) Dextromethorphan dampens neonatal astrocyte activation and endoplasmic reticulum stress induced by prenatal exposure to buprenorphine. *Behavioral Neurology* Volume 2021.
17. Huang YC†, Hsu SM†, Shie FS†, Shiao YJ, Chao LJ, Chen HW, Yao HH, Chien MA, Lin CC*, Tsay HJ (蔡惠珍)* (2021) Reduced mitochondria membrane potential and lysosomal acidification are associated with decreased oligomeric A β degradation induced by hyperglycemia: a study of mixed glia cultures PlosOne accepted.