



張正一 Chang, Cheng-Yi

兼任副教授

研究領域：

神經外科學，神經腫瘤學

教授課程：

小動物外科學特論

Tel: 04-25271180 轉 2305

E-mail: c.y.chang.ns@gmail.com

#### 學歷：

中興大學生命科學系博士  
陽明交通大學醫學士

#### 工作經歷：

行政院退輔會台中榮民總醫院神經外科主治醫師  
衛生福利部豐原醫院神經外科醫師兼任副院長  
波士頓 Dana-Farber Cancer Institute 研究員  
西雅圖 Swedish Hospital, Cherry Hill Campus 訪問學者

#### 代表著作

1. Wu CC#, Chang CY#, Tzeng CY, Huang JH, Hung CJ, Chen WY, Liao SL, Kuan YH, Chen CJ\*. 2022. Preventive intrathecal injection of bupivacaine alleviated microglia activation and neuropathic pain in a rat model of chronic constriction injury. *Int. J. Mol. Sci.* 23, 7197. (共同第一作者)
2. Chang CY, Pan PH, Liu TH, Wu CC, Hung CJ, Chen WY, Liao SL, Chen YF, Chen CJ\*. 2022. Hyperglycemia augmented neuropathic pain involving the HMGB1/TLR4 inflammatory axis. *Tungs' Medical Journal.* 16, 14-22.
3. Chang CY, Wu CC, Wang JD, Liao SL, Chen WY, Kuan YH, Wang WY, Chen CJ\*. 2022. Endoplasmic reticulum stress contributed to dipyridamole-induced impaired autophagic flux and glioma apoptosis. *Int. J. Mol. Sci.* 23, 579.
4. Wang YY, Lin SY, Chang CY, Wu CC, Chen WY, Liao SL, Chen YF, Wang WY, Chen CJ\*. 2021. Jak2 inhibitor AG490 improved poststroke central and peripheral inflammation and metabolic abnormalities in a rat model of ischemic stroke. *Antioxidants.* 10, 1958.
5. Lin SY, Wang YY, Chang CY, Wu CC, Chen WY, Liao SL, Chen CJ\*. 2021. TNF- $\alpha$  receptor inhibitor alleviates metabolic and inflammatory changes in a rat model of ischemic stroke. *Antioxidants.* 10, 851.
6. Chang CY, Pan PH, Wu CC, Liao SL, Chen WY, Kuan YH, Wang WY, Chen CJ\*. 2021. Endoplasmic reticulum stress contributes to gefitinib-induced apoptosis in glioma. *Int. J. Mol. Sci.* 22, 3934.
7. Chang CY, Pan PH, Li JR, Ou YC, Liao SL, Chen WY, Kuan YH, Chen CJ\*. 2021.

- Glycerol improves intracerebral hemorrhagic brain injury and associated kidney dysfunction in Rats. *Antioxidants.* 10, 623.
- 8. Chang CY, Wu CC, Wang JD, Li JR, Wang YY, Lin SY, Chen WY, Liao SL, Chen CJ\*. 2021. DHA attenuated Japanese Encephalitis Virus infection-induced neuroinflammation and neuronal cell death in cultured rat Neuron/glia. *Brain Behav. Immun.* 93, 194-205.
  - 9. Wang JD, Wang YY, Lin SY, Chang CY, Li JR, Huang SW, Chen WY, Liao SL, Chen CJ\*. 2021. Exosomal HMGB1 promoted cancer malignancy. *Cancers.* Feb. 13, 877.
  - 10. Lin SY, Wang YY, Chang CY, Wu CC, Chen WY, Kuan YH, Liao SL, Chen CJ\*. 2020. Effects of  $\beta$ -adrenergic blockade on metabolic and inflammatory responses in a rat model of ischemic stroke. *Cells.* 9, 1373.
  - 11. Wu CC, Chang CY, Shih KC, Hung CJ, Wang YY, Lin SY, Chen WY, Kuan YH, Liao SL, Wang WY, Chen CJ\*. 2020.  $\beta$ -Funaltrexamine displayed anti-inflammatory and neuroprotective effects in cells and rodent model of stroke. *Int. J. Mol. Sci.* 21, 3866.
  - 12. Chang CY, Pan PH, Li JR, Ou YC, Wang JD, Liao SL, Chen WY, Wang WY, Chen CJ\*. 2020. Aspirin induced glioma apoptosis through Noxa upregulation. *Int. J. Mol. Sci.* 21, 4219.
  - 13. Wang YY#, Chang CY#, Lin SY, Wang JD, Wu CC, Chen WY, Kuan YH, Liao SL, Wang WY, Chen CJ\*. 2020. Quercetin protects against cerebral ischemia/reperfusion and oxygen glucose deprivation/reoxygenation neurotoxicity. *J. Nutr. Biochem.* Sep. 83, 108436. (共同第一作者)
  - 14. Chang CY, Li JR, Wu CC, Wang JD, Liao SL, Chen WY, Wang WY, Chen CJ\*. 2020. Endoplasmic reticulum stress contributed to indomethacin-induced glioma apoptosis. *Int. J. Mol. Sci.* Feb. 21 (2), 557.
  - 15. Chang CY, Pan PH, Lin SY, Wang YY, Chen WY, Liao SL, Chen CJ\*. 2019. Comparison of post-ischemic brain injury in young and middle-aged stroke rats. *Tungs' Medical Journal* 13, 75-82.
  - 16. Ou YC, Li JR, Wang JD, Chang CY, Wu CC, Chen WY, Kuan YH, Liao SL, Lu HC, Chen CJ\*. 2019. Fibronectin promotes cell growth and migration in human renal cell carcinoma cells. *Int. J. Mol. Sci.* 20 (11), 2792.
  - 17. Chen WY, Chang CY, Li JR, Wang JD, Wu CC, Kuan YH, Liao SL, Wang WY, Chen CJ\*. 2018. Anti-inflammatory and neuroprotective effects of fungal immunomodulatory protein involving microglial inhibition. *Int. J. Mol. Sci.* Nov. 21, 19 (11), 3678. (共同第一作者)
  - 18. Chang CY, Li JR, Wu CC, Wang JD, Yang CP, Chen WY, Wang WW, Chen CJ\*. 2018. Indomethacin induced glioma apoptosis involving ceramide signals. *Exp. Cell Res.* April 365 (1), 66-77.
  - 19. Chang CY, Li JR, Ou YC, Lin SY, Wang YY, Chen WY, Hu YH, Lai CY, Chang CJ, Chen CJ\*. 2017. Interplay of inflammatory gene expression in pericytes following Japanese encephalitis virus infection. *Brain Behav. Immun.* Nov. 66, 230-243.
  - 20. Wu CC, Hung CJ, Lin SY, Wang YY, Chang CY, Chen WY, Liao SL, Raung SL, Yang CP, Chen CJ\*. 2017. Treadmill exercise alleviated prenatal buprenorphine exposure-induced depression in rats. *Neurochem. Int.* Nov. 110, 91-100.
  - 21. Li JR, Wu CC, Chang CY, Ou YC, Lin SY, Wang YY, Chen WY, Raung SL, Liao SL, Chen CJ\*. 2017. Susceptibility of naïve and differentiated PC12 cells to Japanese encephalitis virus infection. *IUBMB Life.* Feb. 69 (2) 79-87.