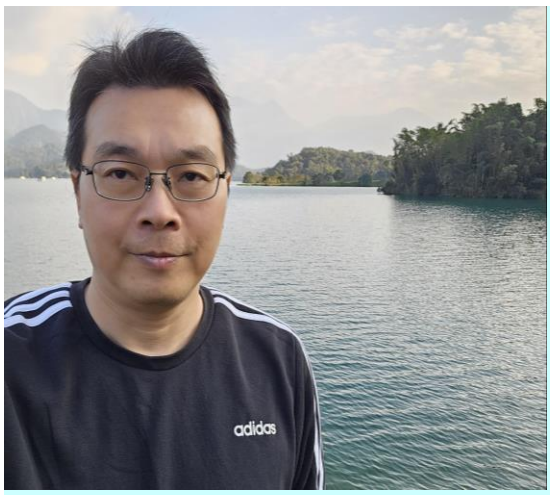

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研究興趣或成果簡述

實驗室主要著重於中樞神經細胞在正常或疾病模式下的可塑性變化，我們的研究重心是探討激素治療對認知功能和神經元形態變化的影響。我們使用透明質酸與 17β-雌二醇結合的研究表明其在減緩雌激素缺乏引起的停經後大鼠模型認知缺陷方面的有效性。這項研究發現在透明質酸結合 17β-雌二醇可改善海馬迴神經元的膽鹼性支配和突觸的傳輸，它呈現對治療阿爾茨海默病及相關認知障礙的治療潛力。我們也利用蝦青素的額外補充來對抗氧化壓力和神經炎症進而改善胎兒酒精譜系障礙和阿爾茨海默病大鼠模型的認知功能。此外，我們的研究也涉及到各種疾病模式（如腦水腫和肝性腦病）引起的大腦形態變化，探索這些條件如何影響大鼠的學習、記憶和神經元結構。

代表著作

1. **Chen JR***, Wang BN, Tseng GF, Wang YJ, Huang YS, Wang TJ* (2014) Morphological changes of cortical pyramidal neurons in hepatic encephalopathy. BMC Neuroscience doi:10.1186/1471-2202-15-15 (**SCI**)
2. Wang TJ, **Chen JR**, Wang WJ, Wang YJ*, Tseng GF* (2014) Genistein partly eases aging and estropause-induced primary cortical neuronal changes in rats. Plos One 9(2):

e89819. doi:10.1371/journal.pone.0089819 (**SCI**)

3. **Chen JR***, Tseng GF, Wang YJ, Wang TJ***** (2014) Exogenous dehydroisoandrosterone sulfate reverses the dendritic changes of the central neurons in aging male rats. Experimental Gerontology doi:10.1016/j.exger.2014.06.010 (**SCI**)
4. Chen LJ**,** Wang, YJ, **Chen JR**, Tseng GF (2015) NMDA receptor triggered molecular cascade underlies compression-induced rapid dendritic spine plasticity in cortical neurons. Experimental neurology 266:86-98 (**SCI**)
5. Chen LJ**,** Wang, YJ, **Chen JR**, Tseng GF (2016) Hydrocephalus compacted cortex and hippocampus and altered their output neurons in association with spatial learning and memory deficits in rats. Brain pathology 2017:419-436 (**SCI**)
6. **Chen JR**, Lim SH, Chung SC, Lee YF, Wang YJ, Tseng GF, Wang TJ (2017) Reproductive experience modified dendritic spines on cortical pyramidal neurons to enhance sensory perception and spatial learning in rats. Experimental animals. 66:59-72 (**SCI**)
7. Yu CH, Hsieh YS, Chen PN, **Chen JR**, Kuo DY (2018) Knockdown of the transcript of extracellular signal-regulated kinase in the brain modulated hypothalamic neuropeptide-mediated appetite control in amphetamine-treated rats. British Journal of Pharmacology DOI: 10.1111/bph.14120 (**SCI**)
8. Chu SC, Chen PN, **Chen JR**, Yu CH, Hsieh YS, Kuo DY (2018) Role of hypothalamic leptin-LepRb signaling in NPY-CART-mediated appetite suppression in amphetamine-treated rats. Hormones and Behavior 98(2):173-182 (**SCI**)
9. Chen MH, Wang TJ, Chen LJ, Jiang MY, Wang YJ, Tseng GF, **Chen JR** (2021) The effects of astaxanthin treatment on a rat model of Alzheimer's disease. Brain Research Bulletin 172: 151-163 (**SCI**)
10. Chen MH, Hong CL, Wang YT, Wang TJ*, **Chen JR*** (2022) The effect of astaxanthin treatment on the rat model of fetal alcohol spectrum disorders (FASD). Brain Research Bulletin 183: 57-72 https://doi.org/10.1016/j.brainresbull.2022.02.017
11. Chen LJ**, Chen JR**, Tseng GF* (2022) Modulation of striatal glutamatergic, dopaminergic and cholinergic neurotransmission pathways concomitant with motor disturbance in rats with kaolin-induced hydrocephalus. Fluids and Barriers of the CNS 19:95 https://doi.org/10.1186/s12987-022-00393-1
12. Chen MH, Lin HC, Chao T, Lee Viola SY, Hou CL, Wang TJ*, **Chen JR*** (2023) Hyaluronic Acid Conjugated with 17β-Estradiol Effectively Alleviates Estropause-Induced Cognitive Deficits in Rats. International Journal of Molecular Sciences 24(21):15569 https://doi.org/10.3390/ijms242115569

更新日期：2024/12/25