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簡要學經歷及重要榮譽

- 國立成功大學生物系學士 (1990.9 ~ 1994.6)
- 國立台灣大學醫學院解剖所碩士 (1994.9 ~ 1996.6)
- 國立台灣大學醫學院解剖所博士 (1998.9 ~ 2003.6)
- 國立台灣大學醫學院解剖所助教(2000.8 ~ 2003.7)
- 私立中山醫學大學助理教授(2003.8 ~ 2004.1)
- 國立中興大學獸醫系助理教授 (2004.2 ~2010.7)
- 國立中興大學獸醫系副教授 (2010.8 ~2014.1)
- 國立中興大學獸醫系教授 (2012.8 ~)

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（性荷爾蒙缺乏、肝腦症、水腦、老化、腦中風及慢性疲勞症候群）下的可塑性變化，尤其是大腦皮質錐體細胞，它是大腦認知功能的主要調控者。目前已知樹突是神經細胞接受外來訊息的主要窗口，神經細胞的樹突會隨著外界環境變異而隨之動態的改變，我們利用細胞內染料注射及電腦 3D 重建技術完整呈現及分析神經細胞的樹突型態變化。我們發現母大白鼠的動情週期變化會改變初級體感覺皮質錐體細胞的樹突型態進而造成認知功能的差異，這或許就是造成停經後婦女認知缺損的主因，我們也發現外源性的性荷蒙或植物性雌激素補充治療可有效回復這些型態及功能上的改變。

代表著作

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 12. **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
 13. 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
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 16. 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 (in press)*
 17. **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)