

生化科技學系教師個人資料

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個人學經歷

學歷

東海大學生物系(1988-1992)

國立成功大學基礎醫學研究所 (1993-1998)

經歷

慈濟大學生理學科助理教授

國立嘉義大學應用微生物學系助理教授

國立嘉義大學分子與生物化學系助理教授

國立嘉義大學生化科技學系副教授

國立嘉義大學生化科技學系教授

研究領域及專長

頭部創傷所引發之神經細胞死亡及機轉

神經新生

神經退化性疾病模式及其相關藥物療效評估

創傷後症候群

研究成果

Publications (2011-2020):

1. Neonatal Dexamethasone Treatment Suppresses Hippocampal Estrogen Receptor α Expression in Adolescent Female Rats. Chiu HF, Chan MWY, Cheng CY, Chou JL, Lin JM, **Yang YL**, Lu KT. *Mol Neurobiol.* 2019;56(3):2224-2233.

研究成果

Publications (2011-2020):

2. Neonatal Dexamethasone Treatment Suppresses Hippocampal Estrogen Receptor α Expression in Adolescent Female Rats. Chiu HF, Chan MWY, Cheng CY, Chou JL, Lin JM, **Yang YL**, Lu KT. *Mol Neurobiol.* 2019;56(3):2224-2233.
3. Bumetanide blocks the acquisition of conditioned fear in adult rats. Ko MC, Lee MC, Tang TH, Amstislavskaya TG, Tikhonova MA, **Yang YL**, Lu KT. *Br J Pharmacol.* 2018;175(10):1580-1589.
4. Unilateral stimulation of the lateral division of the dorsal telencephalon induces synaptic plasticity in the bilateral medial division of zebrafish. Wu YJ, Chen YL, Tang TH, Ng MC, Amstislavskaya TG, Tikhonova MA, **Yang YL**, Lu KT. *Sci Rep.* 2017;7(1):9096.
5. Fragile X mental retardation-1 knockout zebrafish shows precocious development in social behavior. Wu YJ, Hsu MT, Ng MC, Amstislavskaya TG, Tikhonova MA, **Yang YL**, Lu KT. *Zebrafish.* 2017;14(5):438-443.
6. Transient receptor potential vanilloid type 4 channels mediate Na-K-Cl-co-transporter-induced brain edema after traumatic brain injury. Lu KT, Huang TC, Tsai YH, **Yang YL**. *J Neurochem.* 2017;140(5):718-727.
7. Inhibition of NKCC1 attenuated hippocampal LTP formation and inhibitory avoidance in rat. Ko MC, Lee MC, Amstislavskaya TG, Tikhonova MA, **Yang YL**, Lu KT. *PLoS One.* 2014;9(11):e106692.
8. NKCC1 mediates traumatic brain injury-induced hippocampal neurogenesis through CREB phosphorylation and HIF-1 α expression. Lu KT, Huang TC, Wang JY, You YS, Chou JL, Chan MW, Wo PY, Amstislavskaya TG, Tikhonova MA, **Yang YL**. *Pflugers Arch.* 2015;467(8):1651-61.
9. Neonatal glucocorticoid treatment increased depression-like behaviour in adult rats. Ko MC, Hung YH, Ho PY, **Yang YL**, Lu KT. *Int J Neuropsychopharmacol.* 2014;17(12):1995-2004.
9. Behavioral and synaptic circuit features in a zebrafish model of fragile X syndrome. Ng MC, **Yang YL**, Lu KT. *PLoS One.* 2013;8(3):e51456.
10. Early systemic granulocyte-colony stimulating factor treatment attenuates neuropathic pain after peripheral nerve injury. Chao PK, Lu KT, Lee YL, Chen JC, Wang HL, **Yang YL**, Cheng MY, Liao MF, Ro LS. *PLoS One.* 2012;7(8):e43680.
11. Indomethacin protects rats from neuronal damage induced by traumatic brain injury and suppresses hippocampal IL-1 β release through the inhibition of Nogo-A expression. Chao PK, Lu KT, Jhu JY, Wo YY, Huang TC, Ro LS, **Yang YL**. *J Neuroinflammation.* 2012;9:121.

研究成果

12. Stimulation of the lateral division of the dorsal telencephalon induces synaptic plasticity in the medial division of adult zebrafish. Ng MC, Tang TH, Ko MC, Wu YJ, Hsu CP, **Yang YL**, Lu KT. *Neurosci Lett*. 2012;512(2):109-13.
13. Resveratrol protects rats from A β -induced neurotoxicity by the reduction of iNOS expression and lipid peroxidation. Huang TC, Lu KT, Wo YY, Wu YJ, **Yang YL**. *PLoS One*. 2011;6(12):e29102.
14. Effect of MK-801-induced impairment of inhibitory avoidance learning in zebrafish via inactivation of extracellular signal-regulated kinase (ERK) in telencephalon. Ng MC, Hsu CP, Wu YJ, Wu SY, **Yang YL**, Lu KT. *Fish Physiol Biochem*. 2012;38(4):1099-1106.
15. The role of the dorsal hippocampus on the Ginkgo biloba facilitation effect of fear extinction as assessed with fear-potentiated startle. Shen YF, Chou YH, **Yang YL**, Lu KT. *Psychopharmacology (Berl)*. 2011;215(3):403-11.
16. Hippocampal neurogenesis after traumatic brain injury is mediated by vascular endothelial growth factor receptor-2 and the Raf/MEK/ERK cascade. Lu KT, Sun CL, Wo PY, Yen HH, Tang TH, Ng MC, Huang ML, **Yang YL**. *J Neurotrauma*. 2011;28(3):441-50.