CURRICULUM VITAE

PERSONAL DATA

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EDUCATION

Duration	Institution & Location	Degree	Major Subject
2001 - 2010	Taipei Medical University Taipei, Taiwan	Ph.D.	Medical Sciences
1997 - 1999	Taipei Medical University Taipei, Taiwan	MS	Medical Sciences
1991 – 1995	Chang Gang University Taipei, Taiwan	BS	Nursing

SPECIALTIES & RESEARCH INTERESTS

1. Anatomy
2. Physiology
3. Neuroscience

PUBLICATIONS

Journals

1. Modi JP, Shen W, Menzie-Suderam J, Xu H, **Lin CH**, Tao R, Prentice HM, Schloss J, Wu JY. (2023) The Role of NMDA Receptor Partial Antagonist, Carbamathione, as a Therapeutic Agent for Transient Global Ischemia. **Biomedicines**. 11(7):1885. (SCI, IF 3.9)
2. **Lin CH**, Chou CC, Lee YH, Hung CC. (2022) Curcumin Facilitates Aryl Hydrocarbon Receptor Activation to Ameliorate Inflammatory Astrogliosis. **Molecules**. 27(8):2507. (SCI IF 4.2, NSC 100-2320-B-345-001)
3. **Lin CH**, Tao PL, Tsay HJ, Chiang YC, Chang WT, Ho IK, Shie FS. (2021) Dextromethorphan Dampens Neonatal Astrocyte Activation and Endoplasmic Reticulum Stress Induced by Prenatal Exposure to Buprenorphine. **Behav Neurol**. 2021:6301458. (SCI 2.7)

4. Kuo YM, Hsu PC, Hung CC, Hu YY, Huang YJ, Gan YL, **Lin CH**, Shie FS, Chang WK, Kao LS, Tsou MY, Lee YH. (2019) Correction to: Soluble Epoxide Hydrolase Inhibition Attenuates Excitotoxicity Involving 14,15-Epoxyeicosatrienoic Acid-Mediated Astrocytic Survival and Plasticity to Preserve Glutamate Homeostasis. **Mol Neurobiol**. 56(12):8475-8476 (SCI IF 4.6)
5. Hung CC, **Lin CH**, Chang H, Wang CY, Lin SH, Hsu PC, Sun YY, Lin TN, Shie FS, Kao LS, Chou CM, Lee YH. (2016) Astrocytic GAP43 Induced by the TLR4/NF-κB/STAT3 Axis Attenuates Astrogliosis-Mediated Microglial Activation and Neurotoxicity. **J Neurosci.** 36(6):2027-43. (SCI, IF 4.4)
6. Lee YH, **Lin CH**, Hsu PC, Sun YY, Huang YJ, Zhuo JH, Wang CY, Gan YL, Hung CC, Kuan CY, Shie FS. (2015) Aryl hydrocarbon receptor mediates both proinflammatory and anti-inflammatory effects in lipopolysaccharide-activated microglia. **Glia.** 63(7):1138-54. (SCI, IF 5.4)
7. Wang CY, Lin HC, Song YP, Hsu YT, Lin SY, Hsu PC, **Lin CH**, Hung CC, Hsu MC, Kuo YM, Lee YJ, Hsu CY, Lee YH. (2015) Protein kinase C-dependent growth-associated protein 43 phosphorylation regulates gephyrin aggregation at developing GABAergic synapses. **Mol Cell Biol.** 35(10):1712-26. (SCI, IF 3.2)
8. **Lin CH**, Chen CC, Chou CM, Wang CY, Hung CC, Chen JY, Chang HW, Chen YC, Yeh GC, Lee YH. (2009) Knockdown of the aryl hydrocarbon receptor attenuates excitotoxicity and enhances NMDA-induced BDNF expression in cortical neurons. **J Neurochem.** 111(3):777-89. (SCI, IF 4.2)
9. Wu JY, Wu H, Jin Y, Wei J, Sha D, Prentice H, Lee HH, **Lin CH,** Lee YH, Yang LL. (2009) Mechanism of neuroprotective function of taurine. **Adv Exp Med Biol.**643:169-79. (SCI, IF 3.65)
10. Sha D, Jin Y, Wu H, Wei J, **Lin CH**, Lee YH, Buddhala C, Kuchay S, Chishti AH, Wu JY. (2008) Role of mu-calpain in proteolytic cleavage of brain L-glutamic acid decarboxylase. **Brain Res.** 1207(2):9-18. (SCI, IF 2.7)
11. **Lin CH,** Juan SH, Wang CY, Sun YY, Chou CM, Chang SF, Hu SY, Lee WS, Lee YH. (2008) Neuronal activity enhances aryl hydrocarbon receptor-mediated gene expression and dioxin neurotoxicity in cortical neurons. **J Neurochem.** 104(5):1415-29. (SCI, IF 4.2)
12. Wei J, **Lin CH**, Wu H, Jin Y, Lee YH, Wu JY. (2006) Activity-dependent cleavage of brain glutamic acid decarboxylase 65 by calpain. **J Neurochem.** 98(5):1688-95. (SCI, IF 4.2)
13. Lee YH, **Lin CH**, Hsu LW, Hu SY, Hsiao WT, Ho YS. (2003) Roles of ionotropic glutamate receptors in early developing neurons derived from the P19 mouse cell line. **J Biomed Sci.** 10:199-207 (SCI, IF 9)

(二) 研討會論文

1. Hung CC, Lee CY, Chien WH, Hsu SP, Wang CY, Huang YJ, **Lin CH**, Shie FS, Lee YH (2024) Calpain mediates proteostasis involving activation of GAP43 to facilitate autolysosome formation in cortical neurons. The 38th Joint Annual Conference of Biomedical Science. Taipei, Taiwan.
2. Hung CC, Lee XT, Hsin YC, Huang YJ, Gan YL, Hsu PC, **Lin CH**, Chou CC, Lee YH. (2023, Nov) PSTR191.21 - Effects of an endogenous ligand-binding site

mutant of the aryl hydrocarbon receptor on poly(I:C)-stimulated human astrocytes. Neuroscience 2023. Washington, DC, U.S.A.

3. 林君樺、薛宥綱 (2023 年 11 月) 。3D 列印筆應用於解剖生理學骨骼肌肉系統的實作教學。2023 靜宜大學參與式學習暨教學實踐研究研討會，台中市，台灣。

4. Lee XT, Huang YJ, Hung CC, **Lin CH**, Chou CC, Lee YH (2023, Mar) A dual ligand binding site model of the aryl hydrocarbon receptor in the lipopolysaccaride-stimulated astrocytes. The 37th Joint Annual Conference of Biomedical Science. Taipei, Taiwan.

5. **Lin CH**, Chou CC, Lee YH, Hung CC (2021) Curcumin alleviates LPS-induced neuroinflammation via aryl hydrocarbon receptor: The 35th Joint Annual Conference of Biomedical Science. Taipei, Taiwan.

6. Gan YL, Wu SH, **Lin CH**, Huang YJ, Shie FS, LIN HC, Jeng CJ, Lee YH (2017) Aryl hydrocarbon receptor mediates feedback regulation of lipopolysaccharide-induced proinflammatory astrogliosis to maintain cognitive functions in mice. *Abs.* ***Society for Neurosci.*****,** Washington, D.C. USA.

7. Huang CY, Lee CY, Chien WH, **Lin CH**, Gan YL, Lin CH, Gan YL, Jeng CJ, Wang CY, Lee YH (2017) Free radical scavenger edaravone attenuates oxidative stress-induced gephyrin cleavage in developing neurons and neonatal hypoxia. *Abs.* ***Society for Neurosci.*****,** Washington, D.C. USA.

8. Huang YJ, **Lin CH**, Lu CJ, Lin HC , Hsu PC, Tarng DC, Lee YH (2017) Brain aryl hydrocarbon receptor mediates the glutamate transporter reduction and cognitive impairment in chronic kidney disease mouse model. *Abs.* ***Society for Neurosci.*****,** Washington, D.C. USA.

9. **Lin CH,** Lin MS, Hsu PC, Huang YJ, Lee YH, (2014) Curcumin attenuates neuroinflammation in lipopolysaccharide-reactivated astrocytes via activation of arylhydrocarbon receptor modulate DNA methylation. *Abs*. Society for Neuroscience, San Diego, CA, USA.

10. Lee PY, **Lin CH**, Sun YY, Lee YH (2012) Aryl hydrocarbon receptor regulates NMDA receptor-mediated BDNF expression and SAP102 expression in the cerebral cortex *Abs.* ***FENS*****,** Barcelona, Spain

11. Lee PY, **Lin CH,** Lee YH (2012) Effects of FICZ, a tryptophan-derived aryl hydrocarbon receptor natural ligand, on the nmda receptor-mediated bdnf expression and excitotoxicity in the cerebral cortex. *Abs.* ***Soc. Biol. Med.*****,** Taiwan

12. Shie FS, Zhou JH, **Lin CH,** Lee YH (2011) Aryl Hydrocarbon Receptor Regulates Microglia Activation upon Glutamate and Lipopolysaccharide Stimulations *Abs.* ***Society for Neurosci.*****,** Washington, D.C. USA.

13. Lee YH, **Lin CH**, Shie FS (2010) The role of aryl hydrocarbon receptor in CREB/CREB-binding protein-mediated BDNF gene transcription in cortical neurons *Abs.* ***FENS***, Amsterdam, Netherlands

14. **Lin CH** and Lee YH (2007) Knockdown of the Aryl Hydrocarbon Receptor Reduces the Expression and Activity of the NMDA Receptor *Abs.* ***IBRO***, Taiwan.

15. **Lin CH**, Chou CM, Juan SH, Wang CY, Sun YY, Chang SF, Lee YH (2006) Maturation-Dependent Activities of the Aryl Hydrocarbon Receptor in Cortical

Neurons *Abs.* ***Society for Neuroscience***, Atlanta, GA, USA.

16. **Lin CH**, Juan SH, Sun YY, Lu WC, Hung CC, Chou CM, LeeYH (2005) Arylhydrocarbon receptor-mediated transcriptional activity is calcium-dependent in primary cultured neurons and astrocytes *Abs.* ***Neuroscience Society of Taiwan***

17. Lee YH, Sun YY, **Lin CH**, Lee WS, Tsai SY, Ho YS, Chang SF, Yang LY and Yeh CY (2004) Dioxin neurotoxicity in developing cortical neurons. *Abs.* ***Society for Neuroscience*****,** San Diego, CA, USA.

18. **Lin CH**, Lee WS, Sun YY, Chang SF, Yang LY, Hwang LL, Leu SJ and Lee YH (2004) Dioxin alters intracellular calcium homeostasis in primary cultured cortical neurons. *Abs.* ***Soc. Biol. Med.***, Taiwan

19. Hsu MC, **Lin CH,** Tsai SY and Lee YH (2003) Effect of corticosterone and kainic acid on expression and phosphorylation of growth associated protein-43 in developing neurons. *Abs.* ***Soc. Biol. Med.***, Taiwan

20. Lee YH, **Lin CH**, Hsu LW and Hu SY (2002) Functional characterization of iontropic glutamate receptors in embryonal carcinoma cell-derived neurons. *Abs.* ***Society for Neuroscience*****,** Orlando, FL, USA.