

Name: Jing-Ying Lin

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Education :

1995 PhD Institute of Physiology, National Yang-Ming University, Taipei, Taiwan

1991 MS Institute of Physiology, National Yang-Ming University, Taipei, Taiwan

1989 BS Department of Biology, Tung-Hai University, Taichung, Taiwan

Career Experience :

Associate professor

Courses Taught :

Biology

Physiology

Professional Fields :

Physiology

Neurophysiology

Research Interests :

- 1.To investigate the mechanisms underlying the protective effects of magnesium sulfate on cerebral ischemia.
- 2.To perform a screening for potential neuroprotective drugs using excitotoxicity-induced and oxidative stress-induced cell death in neuronal cells.

Representative Publication in 5 Years :

2015

1. Liao HE, Shibu MA, Kuo WW, Pai PY, Ho TJ, Kuo CH, **Lin JY**, Wen SY, Padma VV, Huang CY (2015) Deep sea minerals prolong life span of streptozotocin-induced diabetic rats by compensatory augmentation of the IGF-1-survival signaling and inhibition of apoptosis. Environmental Toxicology. March 2, DOI:10.1002/tox.22086 [SCI; IF=3.197; R/C=6/83=7.22%, WATER RESOURCES]
2. Yang CH, Ting WJ, Pai PY, Chang AH, Ho TJ, **Lin JY**, Tsai FJ, Padama VV, Tsai Y, Huang CY (2015) Anti-apoptosis effects on hearts of SHSST cyclodextrin complex in a carbon tetrachloride-induced cirrhotic cardiomyopathy rat model. Chinese Journal of Physiology. 58(1): 38-45. [SCI; IF=1.163; R/C=73/83=87.95%, PHYSIOLOGY]
3. Hsieh, DJY, Kuo WW, Lai YP, Shibu MA, Shen CY, Pai P, Yeh YL, **Lin JY**, Viswanadha VP, Huang CY* (2015) 17 β -Estradiol and/or estrogen receptor β attenuate the autophagic and apoptotic effects induced by prolonged hypoxia through HIF-1 α -mediated BNIP3 and IGFBP-3 signaling blockage. Cellular Physiology and Biochemistry. 36:274-284. [SCI; IF=2.875; R/C=31/83=37.34%, PHYSIOLOGY]
4. Lin KH, Kuo WW, Jiang AZ, Pai P, **Lin JY**, Chen WK, Day CH, Shen CY, Padma VV, Huang CY*

(2015) Tetramethylpyrazine ameliorated hypoxia-induced myocardial cell apoptosis via HIF-1 α /JNK/p38 and IGFBP3/BNIP3 inhibition to upregulate PI3K/Akt survival signaling. Cellular Physiology and Biochemistry. 36:334-344. [SCI; IF=2.875; R/C=31/83=37.34%, PHYSIOLOGY]

5. 程緒忠,林靜瑩* (2015) 邀請乳癌病人參與放射治療衛教成效問卷調查時可否免除病人簽署知情同意書. 放射治療與腫瘤學. 3月 22(1):63-69.
6. Huang CY, Hsieh YL, Ju DT, Lin CC, Kuo CH, Liou YF, Ho TJ, Tsai CH, Tsai FJ, **Lin JY*** (2015) Attenuation of magnesium sulfate on CoCl₂-induced cell death by activating ERK1/2/MAPK and inhibiting HIF-1 α via mitochondrial apoptotic signaling suppression in a neuronal cell line. Chinese Journal of Physiology. 58(4):244-253. [SCI; IF=1.163; R/C=73/83=87.95%, PHYSIOLOGY]

2014

7. Su MW, Lan HC, **Lin JY*** (2014) Quantitative computed tomography (QCT) vertebral bone mineral density (BMD) measurements in routine CT scan: An intra-observer and inter-observer precision study. 臺灣應用輻射與同位素雜誌. Sep; 10(3):935-940.
8. Huang CY, Kuo WW, Yeh YL, Ho TJ, **Lin JY**, Lin DY, Chu CH, Tsai, FJ, Tsai, CH, Huang CY* (2014) ANG II promotes IGF-IIR expression and cardiomyocyte apoptosis by inhibiting HSF1 via JNK activation and SIRT1 degradation. Cell Death and Differentiation. Aug; 21(8):1262-1274. [SCI; IF=8.184; R/C=28/184=15.21%, CELL BIOLOGY]
9. Chen WK, Yeh YL, Lin YM, **Lin JY**, Tzang BS, Lin JA, Yang AL, Wu FL, Tsai FJ, Cheng SM, Huang CY, Lee SD* (2014) Cardiac hypertrophy-related pathways in obesity. Chinese Journal of Physiology. Jun 30; 57(3):111-120. [SCI; IF=1.163; R/C=73/83=87.95%, PHYSIOLOGY]
10. Chou SH, Lin SZ, Kuo WW, Pai P, **Lin JY**, Lai CH, Kuo CH, Lin KH, Tsai FJ, Huang CY* (2014) Mesenchymal stem cell Insights: prospects in cardiovascular therapy. Cell Transplantation. 23(4-5):513-529. [SCI; IF=3.127; R/C=10/25=40%, TRANSPLANTATION]

2013

11. Huang CY, Kuo WW, Liao HE, Lin YM, Kuo CH, Tsai FJ, Tsai CH, Chen JL, **Lin JY*** (2013) Lumbrokinase attenuates side-stream-smoke-induced apoptosis and autophagy in young hamster hippocampus: correlated with eNOS induction and NF κ B/iNOS/COX-2 signaling suppression. Chemical Research in Toxicology. May 20; 26(5):654-661. [SCI; IF=3.529; R/C=10/59=16.94%, CHEMISTRY, MEDICINAL]
12. Huang CY, Kuo WW, Wang HF, Lin CJ, Lin YM, Chen JL, Kuo CH, Chen PK, **Lin JY*** (2013) GABA tea ameliorates cerebral cortex apoptosis and autophagy in streptozotocin-induced diabetic rats. Journal of Functional Foods. 6:534-544. [SCI; IF=3.574; R/C=7/123=5.69%, FOOD SCIENCE &

TECHNOLOGY]

13. **Lin JY**, Lin CJ, Cheng CJ* (2013) A study of the relationship between job stress, job burnout, job satisfaction and organizational commitment among medical radiologists in Taiwan. *Journal of Information & Optimization Sciences*. 34(2&3):149-167.

2012

14. Cheng CJ, Shiu SC, Chuang CF, **Lin JY**, Chu HH (2012) Development and validation of a creative learning effectiveness scale. *The International Journal of Learning*. 18(9):45-54.

2010

15. Huang CY, Liou YF, Chung SY, Pai PY, Kan CB, Kuo CH, Tsai CH, Tsai FJ, Chen JL, **Lin JY*** (2010) Increased expression of glucose transporter 3 in Gerbil brains following magnesium sulfate treatment and focal cerebral ischemic injury. *Cell Biochemistry & Function* 28:313-320. (SCI)
16. Huang CY, Liou YF, Chung SY, Cheng FC, **Lin JY*** (2010) Role of ERK signaling in the neuroprotective efficacy of magnesium sulfate treatment during focal cerebral ischemia in the gerbil cortex. *Chinese Journal of Physiology* 53(5):299-309. (SCI)
17. Tien YC, **Lin JY**, Lai CH, Kuo CH, Lin WY, Tsai CH, Tsai FJ, Cheng YC, Peng WH, Huang CY (2010) *Carthamus tinctorius* L. prevents LPS-induced TNFalpha signaling activation and cell apoptosis through JNK1/2-NFkappaB pathway inhibition in H9c2 cardiomyoblast cells. *J Ethnopharmacol*. 130(3):505-13. (SCI)
18. Lai TY, Chen LM, **Lin JY**, Tzang BS, Lin JA, Tsai CH, Lin YM, Huang CY, Liu CJ, Hsu HH (2010) 17beta-estradiol inhibits prostaglandin E2-induced COX-2 expressions and cell migration by suppressing Akt and ERK1/2 signaling pathways in human LoVo colon cancer cells. *Mol Cell Biochem*. 342(1-2):63-70. (SCI)
19. Fang WK, Tien YC, Kuo CH, **Lin JY**, Peng WH, Tzang BS, Wang HL, Tsai FJ, Chen YS, Huang CY, Lin CC (2011) Neuron regeneration and proliferation effects of Danshen and Tanshinone IIA. *Evidence-Based Complementary and Alternative Medicine* 2011: 378907. Published online 2010 December 1. doi: 10.1155/2011/378907. (SCI)