

基本資料

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期刊論文

1. **Lin JY**, Kuo WW, Baskaran R, Kuo CH, Chen YA, Chen WST, Ho TJ, Day CH, Mahalakshmi B, Huang CY* (2020) Swimming exercise stimulates IGF1/PI3K/Akt and AMPK/SIRT1/PGC1 α survival signaling to suppress apoptosis and inflammation in aging hippocampus. Aging 12: 6852-6864.
2. Huang CY, Lai CH, Chiang, SF, Pai PY, **Lin JY**, Chang CF, Viswanadha VP, Kuo WW, Huang CY* (2018) Inhibition of ERK-Drp 1 signaling and mitochondria fragmentation alleviates IGF-IIR-induced mitochondria dysfunction during heart failure. J Mol Cell Cardiol. 122: 58-68.
3. Huang CY, Kuo WW, Ho TJ, Chiang SF, Pai PY, **Lin JY**, Lin DY, Kuo CH, Huang CY* (2018) Rab9-dependent autophagy is required for the IGF-IIR triggering mitophagy to eliminate damaged mitochondria. J Cell Physiol. 233(9): 7080-7091.
4. Huang CY, Pai PY, Kuo CH, Ho TJ, **Lin JY**, Lin DY, Tsai FJ, Padma VV, Kuo WW, Huang CY* (2017) p53-mediated miR-18 repression activates HSF2 for IGF-IIR-dependent myocyte hypertrophy in hypertension-induced heart failure. Cell Death Diseases. 8(8): e2990. Doi:10.1038/cddis.2017.320.
5. Han CK, Tien YC, Hsieh D JY, Ho TJ, Lai CH, Yen YL, Hsuan Day C, Shen CY, Hsu HH, **Lin JY**, Huang CY* (2017) Attenuation of the LPS-mediated upregulation of fibrosis-related factors FGF-2, uPA, MMP-2, and MMP-9 by Carthamus tinctorius L in cardiomyoblasts. Environmental Toxicology. 32(3): 754-763.
6. Feng CC, Lin CC, Lai YP, Chen TS, Marthandam Asokan S, **Lin JY**, Lin KH, Viswanadha VP, Kuo WW, Huang CY* (2016) Hypoxia suppresses myocardial survival pathway through HIF-1 α -IGFBP-3-dependent signaling and enhances cardiomyocyte autophagic and apoptotic effects mainly via FoxO3a-induced BNIP3 expression. Growth Factors. 34(3-4): 73-86.
7. Liao HE, Shibu MA, Kuo WW, Pai PY, Ho TJ, Kuo CH, **Lin JY**, Wen SY, Padma VV, Huang

- CY* (2016) 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. 31(7): 769-781.
8. 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.
9. 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. Epub 2015 May 5.
10. 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.
11. 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=1.275; R/C=65/81, PHYSIOLOGY]
12. 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.
13. 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. 21(8):1262-1274. Epub 2014 May 2.
14. 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. 57(3):111-120.
15. 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.
16. 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.
17. Huang CY, Liou YF, Chung SY, Lin WY, Jong GP, Kuo CH, Tsai FJ, Cheng YC, 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. Oct 31;

53(5):299-309.

研討會論文

1. Huang CW, Kuo WW, Lin JY^{*}, Huang CY^{*}, (2016) Exercise training induces age-related changes in apoptosis, anti-oxidant pathways in the rat cortex. 第 31 屆生物醫學聯合學術年會，台北市。
2. Huang CW, Lin JY^{*}, Kuo, WW^{*}, Huang CY^{*}, (2015) Exercise training and resveratrol induce age-related changes in apoptosis, autophagy and oxidant stress in the cerebral cortex of rats. 第 30 屆生物醫學聯合學術年會，台北市。
3. 程緒忠, 林靜瑩^{*} (2014) 對乳癌病人實施衛教成效問卷調查是否須請病人簽署知情同意書。2014 第九屆醫學影像暨放射科學研討會，台中市。

近年執行計畫 (擔任計畫主持人)

1. 大蒜單一成分 Diallyl trisulfide(DATS)減輕化療藥物 Doxorubicin 誘發大鼠腦部損傷療效機轉探討 [中臺科技大學/大里仁愛醫院 CTU108-JAH-001, 2019/08/01~2020/07/31]。
2. 探討 Rapamycin 減輕高血壓誘發大鼠之睪丸損傷作用 [科技部 MOST 108-2637-B-166-001, 2019/08/01~2020/07/31]。
3. 益生菌 Lactobacillus reuteri GMNL-263 對 STZ 誘導糖尿病大鼠海馬迴的發炎凋亡與存活之影響 [中臺科技大學 CTU106-P-08, 2017/01/01~2017/12/31]。
4. 探討運動與白藜蘆醇治療對老化大鼠大腦皮質細胞自噬、凋亡與活化 Nrf2 達成抗氧化作用的影響 [中臺科技大學 CTU105-P-07, 2016/01/01~2016/12/31]。
5. 探討運動治療對老化大鼠海馬迴細胞凋亡的保護作用：H₂S 與 NO 的角色 [科技部 MOST103-2410-H-166-005, 2014/08/01~2015/07/31]。