



Dr. Chang, Ying-Ling

Position : Associate
Professor

Laborator : Pharmacology of Chinese Medicine
Laboratory

Degree : Doctor

Graduated from : China Medical University

Phone : +886-3-2118800
ext. 5103

E-MAIL : c1220@mail.cgu.edu.tw

Research Interests:

1. Anti-inflammation
2. Anti-coagulation
3. Aromatherapy

*corresponding author

1. Chen HY, Yang CY, Hsieh TH, Peng CW, Chuang LL, **Chang YL**, Chi HJ, Lee HM, Liang HY. Effects of Transcranial Direct Current Stimulation on Improving Performance of Delayed-Reinforcement Attentional Set-Shifting Tasks in Attention-Deficit/Hyperactivity Disorder Rat Model. *Biochem Biophys Res.* 2023 Feb 2; 437:114145. (Ranking: 22/53 ; IF=3.352; Q2/BEHAVIORAL SCIENCES) <https://doi.org/10.1016/j.bbr.2022.114145>

2. Chueh FY, **Chang YL**, Wu SY, Yu CL. Signal transducer and activator of transcription 5a (STAT5a) represses mitochondrial gene expression through direct binding to mitochondrial DNA. *Biochem Biophys Res Commun.* 2020 Jul 5;527(4):974-978. (Ranking: 26/71; IF=2.985; Q2/BIOPHYSICS)
3. Hsieh TH, Kuo CW, Hsieh KH, Shieh MJ, Peng CW, Chen YC, **Chang YL**, Huang YZ, Chen CC, Chang PK, Chen KY, Chen HY. Probiotics Alleviate the Progressive Deterioration of Motor Functions in a Mouse Model of Parkinson's Disease. *Brain Sci.* 2020 Apr 1;10(4):206. (Ranking: 114/272; IF=3.332; Q2/ NEUROSCIENCES)
4. Wu YH, Chuang LP, Yu CL, Wang SW, Chen HY, **Chang YL***. Anticoagulant effect of wogonin against tissue factor expression. *Eur J Pharmacol.* 2019 Sep 15; 859:172517. (Ranking: 96/271; IF= 3.263; Q2/PHARMACOLOGY & PHARMACY)
5. Tsui KH, **Chang YL**, Yang PS, Hou CP, Lin YH, Lin BW, Feng TH, Juang HH. The inhibitory effects of capillarisin on cell proliferation and invasion of prostate carcinoma cells. *Cell Prolif.* 2018 Apr;51(2):e12429. (Ranking:48/195; IF=5.753; Q1/CELL BIOLOGY)
6. Tsui KH, **Chang YL**, Feng TH, Hou CP, Lin YH, Yang PS, Lee BW, Juang HH. Capillarisin blocks prostate-specific antigen expression on activation of androgen receptor in prostate carcinoma cells. *Prostate.* 2018 Mar;78(4):242-249. (Ranking: 23/85; IF=3.279; Q2/ UROLOGY & NEPHROLOGY)
7. Chuang LP, Chen NH, Lin SW, **Chang YL**, Liao HR, Lin YS, Chao IJ, Lin Y, Pang JH. Increased C-C chemokine receptor 2 gene expression in monocytes of severe obstructive sleep apnea patients and under intermittent hypoxia. *PLoS One.* 2014 Nov 20;9(11):e113304. (Ranking: 27/71; IF=2.740; Q2/MULTIDISCIPLINARY SCIENCES)
8. Chuang LP, Chen NH, Lin SW, **Chang YL**, Chao IJ, Pang JH. Increased matrix metalloproteinases-9 after sleep in plasma and in monocytes of obstructive sleep apnea patients. *Life Sci.* 2013 Aug 14;93(5-6):220-5. (Ranking: 76/271; IF=3.647; Q2/PHARMACOLOGY & PHARMACY)
9. Wu YH, Chuang SY, Hong WC, Lai YJ, **Chang YL**, Pang JH. In vivo and in vitro inhibitory effects of a traditional Chinese formulation on LPS-stimulated leukocyte-endothelial cell adhesion and VCAM-1 gene expression. *J Ethnopharmacol.* 2012 Mar 6;140(1):55-63. (Ranking: 3/28; IF=3.690; Q1/INTEGRATIVE & COMPLEMENTARY MEDICINE)
10. Tsui KH, **Chang YL**, Feng TH, Chung LC, Lee TY, Chang PL, Juang HH. Growth differentiation factor-15 upregulates interleukin-6 to promote tumorigenesis of prostate carcinoma PC-3 cells. *J Mol Endocrinol.* 2012 Sep 5;49(2):153-63. (Ranking: 55/143; IF=3.562; Q2/ENDOCRINOLOGY & METABOLISM)

11. Tsui KH, **Chang YL**, Feng TH, Chang PL, Juang HH. Glycoprotein transmembrane nmb: an androgen-downregulated gene attenuates cell invasion and tumorigenesis in prostate carcinoma cells. *Prostate*. 2012 Sep 15;72(13):1431-42. (Ranking: 23/85; IF=3.279; Q2/ UROLOGY & NEPHROLOGY)
12. Chow SE, **Chang YL**, Chuang SF, Wang JS. Wogonin induced apoptosis in human nasopharyngeal carcinoma cells by targeting GSK-3 β and Δ Np63. *Cancer Chemother Pharmacol*. 2011 Oct;68(4):835-45. (Ranking: 113/271; IF=2.967; Q2/PHARMACOLOGY & PHARMACY)
13. Lee SL, Chen WC, Chen ST, Chu PJ, Chen CS, Hsu MC, Shiang TY, Su MK, Chang MS, **Chang YL***, and Wang SW. Effect of Passive Repetitive Isokinetic Training. *Chin J Physiol*. 2011 Jan; 54(1): 55-66. (Ranking: 72/99; IF=1.151; Q4/PHYSIOLOGY)

