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Education:

Ph.D. in Pharmacology, 1997, Kaohsiung Medical University, Kaohsiung, Taiwan

M.S. in Pharmacology, 1991, Kaohsiung Medical University, Kaohsiung, Taiwan

B.S. in Pharmacy, 1988, Kaohsiung Medical University, Kaohsiung, Taiwan

Experience:

1. 2017/08-present Associate Dean, College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan
2. 2008/08- present Professor at Department of Pharmacology, Kaohsiung Medical University, Kaohsiung, Taiwan
3. 2005/02-2008/07 Associate Professor at Department of Pharmacology, Kaohsiung Medical University, Kaohsiung, Taiwan
4. 2005/07-2006/06 Visiting Researcher at National Institute of Environmental Health Sciences, NC, USA
5. 1997/08- 2005/01 Assistant Professor at Department of Pharmacology, Kaohsiung Medical University, Kaohsiung, Taiwan
6. 1995/07-1995/10 Visiting Researcher at Department of Neurobiology, Duke University, NC, USA
7. 1992/08-1997/07 Lecturer at Department of Pharmacology, Kaohsiung Medical University, Kaohsiung, Taiwan
8. 1989/08-1992/07 Assistant Teacher at Department of Pharmacology, Kaohsiung Medical University, Kaohsiung, Taiwan

Research Interests

1. Develop drugs for neurodegenerative diseases and metabolic disorders
2. Set-up disease-modified cellular and animal models of neurodegenerative diseases

and muscular atrophy

3. Evaluate pharmacological actions of traditional Chinese medicine and natural products
4. Develop Formosan fragrance compositions for neuroprotection

Publication Lists (2010~Present)

1. Fang WY, Tseng YT, Lee TY, Fu YC, Chang WH, Lo WW, Lin CL, **Lo YC***. Triptolide prevents LPS-induced skeletal muscle atrophy via inhibiting NF- κ B/TNF- α and regulating protein synthesis/degradation pathway. *Br J Pharmacol*. 2021 Aug;178(15):2998-3016.
2. **Lo YC***, Lin CL, Fang WY, Bálint Lőrinczi, István Szatmári, Chang WH, Ferenc Fülöp, Wu SN*. Effective Activation by Kynurenic Acid and Its Aminoalkylated Derivatives on M-Type K⁺ Current. *Int J Mol Sci*. 2021 Jan 28;22(3):1300.
3. Tseng YT, Hsu HT, Lee TY, Chang WH, **Lo YC***. Naringenin, a dietary flavanone, enhances insulin-like growth factor 1 receptor-mediated antioxidant defense and attenuates methylglyoxal-induced neurite damage and apoptotic death. *Nutr Neurosci*. 2021 Jan;24(1):71-81
4. Huang YC, Lin PY, Yu Lee, Lee CY, **Lo YC**, Hung CF, Chen CS. Metabolic syndrome components and leukocyte telomere length in patients with major depressive disorder. *World J Biol Psychiatry*. 2021 Dec 16:1-10.
5. Huang YC, Chang CH, Lin CL, Wang LJ, Hsu CW, Su YF, **Lo YC**, Hung CF, Hsieh YY, Chen CS. Prevalence and Outcomes of Major Psychiatric Disorders Preceding Index Surgery for Degenerative Thoracic/Lumbar Spine Disease. *Int J Environ Res Public Health*. 2021 May 18;18(10):5391
6. Chen YF, Wu SN, Gao JM, Liao ZY, Tseng YT, Fülöp F, Chang FR, **Lo YC***. The Antioxidant, Anti-Inflammatory, and Neuroprotective Properties of the Synthetic Chalcone Derivative AN07. *Molecules*. 2020 Jun 24;25(12):2907.
7. Chan MH, Chen HH, **Lo YC**, Wu SN. Effectiveness in the Block by Honokiol, a Dimerized Allylphenol from *Magnolia officinalis*, of Hyperpolarization-Activated Cation Current and Delayed-Rectifier K⁺ Current. *Int J Mol Sci*. 2020 Jun 15;21(12):4260.
8. Kuo PC, Liu YC, **Lo YC**, Wu SN. Characterization of Inhibitory Effectiveness in Hyperpolarization-Activated Cation Currents by a Group of *ent*-Kaurane-Type Diterpenoids From *Croton tonkinensis*. *Int J Mol Sci*. 2020 Feb 13;21(4):1268.
9. Chang WT, Gao ZH, Li SW, Liu PY, **Lo YC**, Wu SN. Characterization in Dual Activation by Oxaliplatin, a Platinum-Based Chemotherapeutic Agent of Hyperpolarization-Activated Cation and Electroporation-Induced Currents. *Int J Mol Sci*. 2020 Jan 8;21(2):396.
10. Hsu HT, **Lo YC***, Wu SN. Characterization of Convergent Suppression by UCL-2077 (3-(Triphenylmethylaminomethyl)pyridine), Known to Inhibit Slow Afterhyperpolarization, of *erg*-Mediated Potassium Currents and Intermediate-Conductance Calcium-Activated Potassium Channels. *Int J Mol Sci*. 2020 Feb 20;21(4):1441
11. Tseng YT, Tsai YH, Fülöp F, Chang FR, **Lo YC***. 2-Iodo-4'-Methoxychalcone Attenuates

Methylglyoxal-Induced Neurotoxicity by Activation of GLP-1 Receptor and Enhancement of Neurotrophic Signal, Antioxidant Defense and Glyoxalase Pathway. *Molecules*. 2019 Jun 16;24(12).

12. Tseng YT, Hsu HT, Lee TY, Chang WH, **Lo YC***. Naringenin, a dietary flavanone, enhances insulin-like growth factor 1 receptor-mediated antioxidant defense and attenuates methylglyoxal-induced neurite damage and apoptotic death. *Nutr Neurosci*. 2019 Mar 22;1-11.
13. Tseng YT, Chang WH, Lin CC, Chang FR, Wu PC, **Lo YC***. Protective effects of Liuwei dihuang water extracts on diabetic muscle atrophy. *Phytomedicine*. 2019 Feb; 53:96-106.
14. Tseng YT, Lin WJ, Chang WH, **Lo YC***. The novel protective effects of loganin against 1-methyl-4-phenylpyridinium-induced neurotoxicity: Enhancement of neurotrophic signaling, activation of IGF-1R/GLP-1R, and inhibition of RhoA/ROCK pathway. *Phytother Res*. 2019 Mar;33(3):690-701.
15. Chen HM, Hsiao SM, Kuo MC, **Lo YC**, Huang MF, Yeh YC, Yen CF, Chen CS. Identifying early decline of daily function and its association with physical function in chronic kidney disease: performance-based and self-reported measures. *PeerJ*. 2018 Jul 18;6: e5286. doi: 10.7717/peerj.5286.
16. Hsu HT, Tseng YT, Wong WJ, Liu CM, **Lo YC***. Resveratrol prevents nanoparticles-induced inflammation and oxidative stress via downregulation of PKC- α and NADPH oxidase in lung epithelial A549 cells. *BMC Complement Altern Med*. 2018 Jul 9; 18(1):211.
17. So EC, Wu SN, **Lo YC**, Su K. Differential regulation of tefluthrin and telmisartan on the gating charges of INa activation and inactivation as well as on resurgent and persistent INa in a pituitary cell line (GH3). *Toxicol Lett*. 2018 Mar 15; 285:104-112.
18. So EC, Wang Y, Yang LQ, So KH, **Lo YC**, Wu SN. Multiple regulatory actions of 2-guanidine-4-methylquinazoline (GMQ), an agonist of acid-sensing ion channel type 3, on ionic currents in pituitary GH3 cells and in olfactory sensory (Rolf B1.T) neurons. *Biochem Pharmacol*. 2018 May; 151:79-88.
19. Tseng YT, Jong YJ, Liang WF, Chang FR, **Lo YC***. The water extract of Liuwei dihuang possesses multi-protective properties on neurons and muscle tissue against deficiency of survival motor neuron protein. *Phytomedicine*. 2017 Oct 15; 34:97-105.
20. Liu CM, Kao CL, Tseng YT, **Lo YC***, Chung-Yi Chen*. Ginger Phytochemicals Inhibit Cell Growth and Modulate Drug Resistance Factors in Docetaxel Resistant Prostate Cancer Cell. *Molecules*. 2017 Sep 5; 22(9).
21. Hsu HT, **Lo YC**, Huang YM, Tseng YT, Wu SN. Important modifications by sugammadex, a modified γ -cyclodextrin, of ion currents in differentiated NSC-34 neuronal cells. *BMC Neurosci*. 2017 Jan 3; 18(1):6.
22. Tseng YT, Chen CS, Jong YJ, Chang FR, **Lo YC***. Loganin possesses neuroprotective properties, restores SMN protein and activates protein synthesis positive regulator Akt/mTOR in experimental models of spinal muscular atrophy. *Pharmacol Res*. 2016 May; 27; 111:58-75.
23. **Lo YC**, Tseng YT, Liu CM, Wu BN, Wu SN. Actions of KMUP-1, a xanthine and piperazine derivative, on voltage-gated Na⁺ and Ca²⁺-activated K⁺ currents in GH₃ pituitary tumor cells. *Br J*

Pharmacol. 2015 Aug 15. doi: 10.1111/bph.13276.

24. Wu SH, Huang SH, **Lo YC**, Chai CY, Lee SS, Chang KP, Lin SD, Lai CS, Yeh JL, Kwan AL. Autologous adipose-derived stem cells attenuate muscular atrophy and protect spinal cord ventral horn motor neurons in an animal model of burn injury. *Cytotherapy*. 2015 Aug; 17(8):1066-75.
25. Wu SN, Huang YM, Kao CA, Chen BS, **Lo YC***. Investigations on contribution of glial inwardly-rectifying K(+) current to membrane potential and ion flux: an experimental and theoretical study. *Kaohsiung J Med Sci*. 2015 Jan; 31(1):9-17.
26. Hsu HT, Tseng YT, Hsu YY, Cheng KI, Chou SH, **Lo YC***. Propofol attenuates lipopolysaccharide-induced reactive oxygen species production through activation of Nrf2/GSH and suppression of NADPH oxidase in human alveolar epithelial cells. *Inflammation*. 2015 Feb; 38(1):415-23.
27. Hsu HT, Tseng YT, **Lo YC**, Wu SN. Ability of naringenin, a bioflavonoid, to activate M-type potassium current in motor neuron-like cells and to increase BKCa-channel activity in HEK293T cells transfected with α -hSlo subunit. *BMC Neurosci*. 2014 Dec 24; 15:135. doi: 10.1186/s12868-014-0135-1.
28. Tseng YT, Chang FR, **Lo YC***. The Chinese herbal formula Liuwei dihuang protects dopaminergic neurons against Parkinson's toxin through enhancing antioxidative defense and preventing apoptotic death. *Phytomedicine*. 2014 Apr 15; 21(5):724-33.
29. Hsu YY, Jong YJ, Lin YT, Tseng YT, Hsu SH, **Lo YC***. Nanomolar Naloxone Attenuates Neurotoxicity Induced by Oxidative Stress and Survival Motor Neuron Protein Deficiency. *Neurotox Res*. 2014 Apr; 25(3):262-70.
30. Cheung So E, **Lo YC**, Chen LT, Kao CA, Wu SN. High effectiveness of triptolide, an active diterpenoid triepoxide, in suppressing Kir-channel currents from human glioma cells. *Eur J Pharmacol*. 2014 Sep 5; 738:332-41.
31. Kuo FC, Wu CY, Kuo CH, Wu CF, Lu CY, Chen YH, Chen CY, **Lo YC**, Wu MT, Hu HM. The Utilization of a New Immunochromatographic Test in Detection of Helicobacter pylori Antibody from Maternal and Umbilical Cord Serum. *Biomed Res Int*. 2014; 2014:568410.
32. Liu CM, Fan YC, **Lo YC**, Wu BN, Yeh JL, Chen IJ. Cyclic guanosine monophosphate-enhancing reduces androgenic extracellular regulated protein kinases- phosphorylation /Rho kinase II-activation in benign prostate hyperplasia. *Int J Urol*. 2014 Jan; 21(1):87-92.
33. Hsu YY, Tseng YT, **Lo YC***. (2013 Aug) Berberine, a natural antidiabetes drug, attenuates glucose neurotoxicity and promotes Nrf2-related neurite outgrowth. *Toxicol Appl Pharmacol*. 272(3):787-796.
34. Hsu YY, Jong YJ, Lin YT, Tseng YT, Hsu SH, **Lo YC***. Nanomolar Naloxone Attenuates Neurotoxicity Induced by Oxidative Stress and Survival Motor Neuron Protein Deficiency. *Neurotox Res*. 2014 Apr; 25(3):262-70.
35. **Lo YC***, Shih YT, Tseng YT, Hsu HT. Neuroprotective effects of San-Huang-Xie-Xin-Tang in the MPP⁺/MPTP models of Parkinson's disease in vitro and in vivo. *Evid Based Complement Alternat Med*. 2012; 2012:501032. doi: 10.1155/2012/501032.
36. Hsu YY, Chen CS, Wu SN, Jong YJ, **Lo YC***. Berberine activates Nrf2 nuclear translocation and

- protects against oxidative damage via a phosphatidy- lino-sitol 3-kinase/Akt-dependent mechanism in NSC34 motor neuron-like cells. *Eur J Pharm Sci.* 2012 Aug 15; 46(5):415-25. (category: pharmacology & pharmacy 68/252=26.9%, IF=3.291)
37. Hsu YY, Jong YJ, Tsai HH, Tseng YT, An LM, **Lo YC***. Triptolide increases SMN transcript and protein levels in human SMA fibroblasts and improves survival in SMA-like mice. *Br J Pharmacol.* 2012 Jun; 166(3):1114-26.
 38. Tseng YT, Hsu YY, Shih YT, **Lo YC***. Paeonol Attenuates Microglia-Mediated Inflammation and Oxidative Stress-Induced Neurotoxicity in Rat Primary Microglia and Cortical Neurons. *Shock.* 2012 Mar; 37(3):312-8.
 39. Wu SN, **Lo YC**, Chen BS, Wu FT, So EC. Possible effects of reduced conductance in delayed-rectifier K(+) current on neuronal firing. *Mov Disord.* 2012 Oct; 27(12):1581-2.
 40. Chen CS, Tseng YT, Hsu YY, **Lo YC***. Nrf2-Keap1 Antioxidant Defense and Cell Survival signaling are up-regulated by 17 β -Estradiol in Homocysteine-treated Dopaminergic SH-SY5Y Cells. *Neuroendocrinology.* 2013; 97(3):232-41.
 41. Wu SN, Hsu MC, Liao YK, Wu FT, Jong YJ, **Lo YC***. Evidence for inhibitory effects of flupirtine, a centrally acting analgesic, on delayed rectifier k(+) currents in motor neuron-like cells *Evid Based Complement Alternat Med.* 2012;2012:148403. doi: 10.1155/2012/148403.
 42. Wu SN, **Lo YC**, Chen BS, Cheung So E, Chen LT. Contribution of blocked potassium current conductance and increased conductance of persistent sodium current to the afterdischarge in myelinated neuron. *Muscle Nerve.* 2012 Aug;46(2):297-9.
 43. Wu SN*, Huang HC, Yeh CC, Yang WH, **Lo YC**. Inhibitory effect of memantine, an NMDA-receptor antagonist, on electroporation-induced inward currents in pituitary GH(3) cells. *Biochem Biophys Res Commun.* 2011 Feb 18; 405(3):508-13.
 44. Shih YT, Chen IJ, Wu YC, **Lo YC***. San-Huang-Xie-Xin-Tang protects against activated microglia- and 6-OHDA-induced toxicity in neuronal SH-SY5Y cells. *Evid Based Complement Alternat Med.* 2011; 2011:429384. doi: 10.1093/ecam/nep025.
 45. Shih YT, Chen PS, Wu CH, Tseng YT, Wu YC, **Lo YC***. Arecoline, a major alkaloid of the areca nut, causes neurotoxicity through enhancement of oxidative stress and suppression of the antioxidant protective system. *Free Radic Biol Med.* 2010 Nov 30; 49(10):1471-9.
 46. Hsu YY, Liu CM, Tsai HH, Jong YJ, Chen IJ, **Lo YC***. KMUP-1 attenuates serum deprivation-induced neurotoxicity in SH-SY5Y cells: roles of PKG, PI3K/Akt and Bcl-2/Bax pathways. *Toxicology.* 2010 Jan 31; 268(1-2):46-54.
 47. Shih YT, Hsu YY, Chang FR, Wu YC, **Lo YC***. 6-Hydroxycyclohexa-3,13-dien-15,16-olide Protects Neuronal Cells from Lipopolysaccharide-Induced Neurotoxicity through the Inhibition of Microglia-Mediated Inflammation. *Planta Med.* 2010 Feb; 76(2):120-7.

Conference Papers

1. Wan-Hsuan Chang, Wei-Yu Fang, Yueh-Hsiung Kuo, Hung-Te Hsu, **Yi-Ching Lo***. (2022) Effects of Ergosta-7,9(11),22-trien-3 β -ol on 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine

- (MPTP)-Induced Reduction of Skeletal Muscle Mass and Motor Activity in C57BL/6 Mice. 第三十六屆生物醫學聯合學術年會, Taipei, Taiwan. (Poster)
2. Po-Chien Li, Wei-Yu Fang, Wan-Hsuan Chang, **Yi-Ching Lo***. (2022) Effects of Gan-Mai-Da-Zao Water Extract on Skeletal Muscle Mass and Function in Aged Mice. 第三十六屆生物醫學聯合學術年會, Taipei, Taiwan. (Poster)
 3. Wei-Yu Fang, Cheng Lin, Cai-Rong Wu, **Yi-Ching Lo***. (2022) Effects of Loganin on Paclitaxel-Induced C2C12 Myotube Atrophy. 第三十六屆生物醫學聯合學術年會, Taipei, Taiwan. (Poster)
 4. Wei-Yu Fang, Yu-Ting Tseng, Tzu-Ying Lee, Yin-Chih Fu, Wan-Hsuan Chang, Wan-Wen Lo, Chih-Lung Lin, **Yi-Ching Lo***. (2021) The Effects of Triptolide on Lipopolysaccharide-Induced Skeletal Muscle Atrophy in In Vitro and In Vivo Studies. The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP), Taipei, Taiwan. (Poster)
 5. Wan-Hsuan Chang, Wei-Yu Fang, Yueh-Hsiung Kuo, Hung-Te Hsu, **Yi-Ching Lo***. (2021) The Effects of Ergosta-7,9(11),22-trien-3 β -ol on Dopaminergic Neurons and Skeletal Muscle Function in MPTP-Induced Mouse Model of Parkinson's Disease. The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP), Taipei, Taiwan. (Poster)
 6. **Yi-Ching Lo***, Wei-Yu Fang, Wan-Hsuan Chang. (2021) Effects of Water Extract of Guilu Erxian Jiao on Skeletal Muscle Mass, Grip Strength and Motor Activity in C57BL/6J mice. The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP), Taipei, Taiwan. (Poster)
 7. Hung-Te Hsu, Wan-Hsuan Chang, Wei-Yu Fang, Ya-Lan Yang, **Yi-Ching Lo***. (2021) Hyperbaric Oxygen Therapy Reduces the Loss of Dopaminergic Neurons, Improves Locomotion and Enhances Skeletal Muscle Strength in MPTP Mouse Model of Parkinson's Disease. The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP), Taipei, Taiwan. (Poster)
 8. Wei-Yu Fang, Wan-Hsuan Chang, Po-Chien Li, Cheng Lin, Cai-Rong Wu, **Yi-Ching Lo***. (2021) Water Extract of Guilu Erxian Jiao Enhances Protein Synthesis Pathway and Attenuates Methylglyoxal-Induced Myotubes Atrophy. The 36th Symposium of Natural Products, Kaohsiung, Taiwan. (Poster)
 9. Fang WY, Zhang ZX, Ferenc Fülöp, Chang FR, **Lo YC***. (2020) Synthetic Chalcone Derivative AN07 Attenuates Lipopolysaccharide-Induced Inflammatory and Atrophy Signaling in C2C12 Myotubes. 第35屆天然藥物研討會暨第三屆杜聰明博士醫學論壇. 台北 (Poster)
 10. Chang WH, Lo WW, Chen HT, Ko HH, Wu PC, **Lo YC***. (2019) The Effects of Linalool, A Major Constituent of Essential Oils in Aromatic Plants, on the GABAergic Signaling and Sleep-Wake Cycle in Sprague-Dawley Rats. The 34th Symposium of Natural Products. 桃園. (Poster)
 11. Lin CC, Chang WH, Lee TY, Ko HH, Chen CS, Lai CL, **Lo YC***. (2019) Effects of linalool on the dopamine neurons and motor symptoms in experimental models of Parkinson's disease. 第34屆生

物醫學聯合學術年會. 台北. (Poster)

12. **Yi-Ching Lo**, Yu-Ting Tseng, Wan-Hsuan Chang, Chih-Cheng Lin. (2018) Liuwei dihuang water extract prevents skeletal muscle atrophy in streptozotocin-induced diabetic mice. The 4th Global Chinese Symposium & The 8th Symposium for Cross-straits, Hong Kong and Macao on Free Radical Biology and Medicine. 中國/澳門. (Poster)
13. Yu-Ting Tseng, Chih-Cheng Lin, Fang-Rong Chang, **Yi-Ching Lo**. (2018) 2-iodo-4'-methoxychalcone protects neurons against methylglyoxal-induced oxidative stress. The 33th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei. (Poster)
14. Yu-Ting Tseng, **Yi-Ching Lo***, Chi-Ming Liu, Hung-Te Hsu, Pao-Chu Wu. (2018) Protective effects of the water extract of Liuwei dihuang on methylglyoxal-induced atrophy in myotubes. WCP 2018. Japan/Kyoto. (Poster)
15. **Yi-Ching Lo***, Sheng-Nan Wu, Wan-Hsuan Chang, Yu-Ting Tseng, Horng-Huey Ko. (2018) Effects of D-limonene on neurotropic factors and ionic currents in the olfactory nerve cells Rolf B1.T. WCP 2018. Japan/Kyoto. (Poster)
16. Tseng YT, Chang WH, Liu CM, Wu PC, **Lo YC*** (2017) Water extract of liuweidihuang attenuates lipopolysaccharide-induced inflammation in primary microglia cultures and promotes protein synthesis in methylglyoxal-treated C2C12 skeletal muscle myotubes. *The 32nd International Symposium of Natural Products* (2017.10.13-14, Taipei, Taiwan)
17. **Lo YC***, Tseng YT, Hsu HT, Liu CM, Wu SN (2017) Naringenin protects motor neuron against methylglyoxal-induced neurotoxicity through activating IGF-1R-related neuroprotection. *XIII World Congress of Neurology* (2017.09.16-21, Kyoto, Japan)
18. **Lo YC**, Tseng YT. (2017) Liuwei dihuang, a traditional Chinese medicine, attenuates methylglyoxal-induced activation of oxidative stress and protein degradation in C2C12 skeletal muscle myotubes. 10th Asia-Pacific Pharma Congress. Singapore (Poster)
19. **Lo YC**, Tseng YT. (2016) Loganin protects neurons against Parkinsonian toxin 1-methyl-4-phenyl-pyridinium via activating glucagon-like peptide-1 receptor-mediated autophagy pathway in primary mesencephalic cultures. The 4th International Conference on Molecular Neurodegeneration. Korea/Seoul (Poster)
20. Tseng YT, **Lo YC***. Protective effects of loganin against Parkinson's toxin-induced neurite damage and apoptotic cell death in primary mesencephalic neurons. 18th International Congress of Oriental Medicine. Japan/Okinawa. (Poster)
21. Liao ZY, Tseng YT, Liu CM, Chang FR, **Lo YC***. (2016) A novel chalcone derivative attenuates lipopolysaccharide-induced inflammation and oxidative stress via activating PPAR- γ in RAW264.7 cells. The 31th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei. (Poster)
22. Gao JM, Tseng YT, Chang FR, **Lo YC***. (2015) AN07, a novel chalcone derivative, attenuates methylglyoxal-induced neuronal death and promotes neurite outgrowth. The 30th Joint Annual

Conference of Biomedical Sciences. Taiwan/Taipei. (Poster)

23. **Lo YC***, Tseng YT, Chang FR. (2015) Protective effects of CHA79, a synthetic chalcone derivative, on methylglyoxal-induced neurotoxicity. ASCEPT-BPS Joint Scientific Meeting 2015. China/Hong Kong. (Poster)

24. Tseng YT, Jong YJ, **Lo YC***. (2015) Loganin modulates protein synthesis signaling and promotes muscle strength in SMN^{0/0} mice, a severe disease model of spinal muscular atrophy. The 30th Symposium on Natural Product. Taiwan/Taipei (Poster)

RESEARCH PROJECTS

Project Name	Duration	Funding Sources
研發可改善骨骼肌質量，肌力及運動功能之傳統中藥及天然物：針對高糖、發炎及老化之實驗疾病模式	2019/8/01~2022/7/31	Ministry of Science and Technology
Traditional Chinese medicine and natural products development for attenuating neurodegeneration and enhancing skeletal muscle protein synthesis	2016/8/01~2019/7/31	Ministry of Science and Technology
Discovery of Formosan fragrance compositions with neuron protection assisted by intelligent electronic sensory analysis (Subproject 3: Neuroprotective fragrance composition discovery from Formosan plants)	2016/8/01~2019/7/31	Ministry of Science and Technology
Multi-target drugs discovery on neurodegenerative diseases: traditional Chinese medicine, natural products and chemical synthetic compounds	2013/8/01~2016/7/31	Ministry of Science and Technology
Neuroprotective effects and mechanisms of Dihuang wan: a platform for development of traditional Chinese medicine on the treatment of neuroinflammation and	2010/8/1~2013/7/31	Ministry of Science and Technology

neurodegeneration		
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