



## Chen, Wen-Ying

### Professor and Chairman

**Professional specialty** : Experimental animals, Animal models of human disease, Metabolic Syndrome

### Courses Taught :

Clinical Pathology, Veterinary pharmacology, Experimental animals.

Tel: 04-22840368 ext 32

E-mail: wychen@dragon.nchu.edu.tw

### Educational Background

PhD, National Chung Hsing University, Department of Veterinary Medicine

MS, National Chung Hsing University, College of Life Sciences

BS, National Chung Hsing University, Department of Veterinary Medicine

### Current Position and Professional Career

1. Chairman, Department of Veterinary Medicine, NCHU, 02/2024- now
2. Associate Vice President for Student Affairs. NCHU, 09/2022-01/2024
3. Deputy Chairman, Department of Veterinary Medicine, NCHU, 02/2021-01/2024
4. Professor, Department of Veterinary Medicine, NCHU, 08/2020- now
5. Director, Veterinary Medical Teaching Hospital, NCHU, 02/2018-01/2021
6. Associate Professor, Department of Veterinary Medicine, NCHU, 08/2016-07/2020.
7. Assistant Professor, Department of Veterinary Medicine, NCHU, 02/2013-07/2016

### Experience

Associate Chief Science Officer, Maxluck Biotechnology Corp.

### Recent Publications

1. Pan PH, Wang YY, Lin SY, Liao SL, Chen YF, Huang WC, Chen CJ\*, **Chen WY\***. 2022. Plumbagin ameliorates bile duct ligation-induced cholestatic liver injury in rats. *Biomed Pharmacother.* 151:113133.
2. Pan PH, Wang YY, Lin SY, Liao SL, Chen YF, Huang WC, Chen CJ\*, **Chen WY\***. 2022. 18 $\beta$ -glycyrrhetic acid protects against cholestatic liver injury in bile duct-ligated rats. *11(5)*, 961.
3. Cheng TL, Lin ZY, Liao KY, Huang WC, Jhuo CF, Pan PH, Chen CJ, Kuan YH, **Chen WY\***. 2022. Magnesium lithospermate B attenuates high-fat diet-induced muscle atrophy in C57BL/6J mice. *Nutrients.* 14(1), 104.
4. Huang WC, Liao KY, Hsieh SK, Pan PH, Kuan YH, Liao SL, Chen CJ\*, **Chen WY\***. 2021. Magnesium lithospermate B supplementation improved prenatal Bisphenol A exposure-induced metabolic abnormalities in male offspring. *Environ Toxicol.* 36, 1932-1943.
5. Jhuo CF, Hsieh SK, Chen CJ, **Chen WY\***, Tzen JTC\*. 2020. Teaghrilin Protects SH-SY5Y Cells Against MPP<sup>+</sup>-Induced Neurotoxicity Through Activation of AMPK/SIRT1/PGC-1 $\alpha$  and ERK1/2 Pathways. *Nutrients.* 12(12): 3665.
6. Liao KY, Chen CJ, Hsieh SK, Pan PH, **Chen WY\***. 2020. Interleukin-13 ameliorates

- postschismic hepatic gluconeogenesis and hyperglycemia in rat model of stroke. *Metab. Brain Dis.* 35, 1201–1210.
7. Kuo CY, Zhao C, Cheng TL, Tsou CC, Li YC, Zhang Y, Hsieh MC, Haung SB, **Chen WY\***. 2020. Rapid identification of *Babesia canis* and *Babesia gibsoni* (Asian genotype) in canine blood samples using a customized portable real-time PCR analyzer and TaqMan-based assay. *Ticks Tick-Borne Dis.* 11: 101362.
  8. Hsieh SK, Lin NH, Chen YJ, Lee MR, **Chen WY,\*** Tzen JTC\*. 2020. Therapeutic effects of Lithospermate B Complexed with Mg<sup>2+</sup> or Zn<sup>2+</sup> on metabolic syndrome induced in rats fed with high-fat diet. *Molecules.* 25: E983.
  9. Hsieh SK, Lin HY, Chen CJ, Jhuo CF, Liao KY, **Chen WY,\*** Tzen JTC\*. 2020. Promotion of myotube differentiation and attenuation of muscle atrophy in murine C2C12 myoblast cells treated with teaghrilin. *Chem-Biol Interact.* 315: 108893.
  10. Chan IP, Wu SU, Chang CC, **Chen WY\***. 2019. Serial measurements of cardiac troponin I in heart failure secondary to canine mitral valve disease. *Vet. Rec.* 185: 343.
  11. Chan IP, Hsueh T, Chang CC, **Chen WY\***. 2019. Sex and neuter status affect the clinical application of N-terminal pro-brain natriuretic peptide as a survival biomarker in dogs with congestive heart failure. *Pak.Vet. J.* 39, 347-352.
  12. Yang CP, Wang YY, Lin SY, Hong YJ, Liao KY, Hsieh SK, Pan PH, Chen CJ, **Chen WY\***. 2019. Olanzapine induced dysmetabolic changes involving tissue chromium mobilization in female rats. *Int. J. Mol. Sci.* 20, pii: E640.
  13. Huang HH, **Chen WY**, Chang SC\*. 2018. Obese and senior factors increase the incidence of lipoma in dogs with non-malignant skin mass. *Taiwan Vet. J.* 44, 197-204.
  14. **Chen WY**, Chang CY, Li JR, Wang JD, Wu CC, Kuan YH, Liao SL, Wang WY, Chen CJ\*. 2018. Anti-inflammatory and neuroprotective effects of fungal immunomodulatory protein involving microglial inhibition. *Int. J. Mol. Sci.* 19, pii: E3678.
  15. Chen TY, Wang MMC, Hsieh SK, Hsieh MH, **Chen WY\***, Tzen JTC\*. 2018. Pancreatic lipase inhibition of strictinin isolated from Pu'er tea (*Cammeliasinensis*) and its anti-obesity effects in C57BL6 mice. *J Funct. Foods.* 48, 1-8.
  16. Chung TY, Lin NH, Li YC, Chen TY, Kuo PC, **Chen WY\***, Tzen JTC\*. 2018. Detection of lithospermate B in rat plasma at the nanogram level by LC/MS in multi reaction monitoring mode. *J. Food Drug Anal.* 26, 353-361.
  17. Hsieh SK, Xu JR, Lin NH, Li YC, Chen GH, Kuo PC, **Chen WY\***, Tzen JTC\*. 2016. Antibacterial and laxative activities of strictinin isolated from Pu'er tea (*Camellia sinensis*). *J. Food Drug Anal.* 24, 722-729.
  18. Chen WY, Mao FC, Liu CH, Kuan YH, Lai NW, Wu CC, Chen CJ\*. 2016. Chromium supplementation improved post-stroke brain infarction and hyperglycemia. *Metab. Brain Dis.* Apr. 31(2), 289-297.
  19. Chen YJ, Lo YH, Chen YT, Lai NW, Lin NH, Chung TY, **Chen WY\***, Tzen JTC\*. 2015. Magnesium lithospermate B improves metabolic changes in high-fat diet-fed rats with metabolic syndrome. *J Funct. Foods.* 14, 163-173.