



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.

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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 β -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⁺-Induced Neurotoxicity Through Activation of AMPK/SIRT1/PGC-1 α and ERK1/2 Pathways. *Nutrients.* 12(12): 3665.
6. Liao KY, Chen CJ, Hsieh SK, Pan PH, **Chen WY***. 2020. Interleukin-13 ameliorates

- posts ischemic 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 Mg²⁺ or Zn²⁺ 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 teaghrin. *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.