



Huang, Han Hsiang

Professor

Professional specialty:

Pharmacology, Physiology, Medical Engineering, Zoonotic Diseases, Small Animal Rehabilitation Medicine

Lectures:

Veterinary Pharmacology, Physical Therapy for Small Animals, Canine Sports Medicine, Veterinary Anatomy

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Educational Background

Ph. D., The University of Sydney, Australia.

Master of Veterinary Medical Science, National Chung Hsing University, Taiwan.

Bachelor of Veterinary Medicine, National Chung Hsing University, Taiwan.

Current Position and Professional Career

Professor, Department of Veterinary Medicine, NCYU, 08/2021-now

Honors

Special Talents Rewards, MOST, 2014

Special Talents Rewards, NCYU/MOST, 2016

Special Talents Rewards, NCYU/MOST, 2018

Special Talents Rewards, NCYU/MOST, 2020

Excellent Mentor Award, NCYU, 2020

Areas of Interest and Achievements

Pharmacology, Physiology, Medical Engineering, Zoonotic Diseases, Small Animal Rehabilitation Medicine

Selected Publications (after 2014)

1. Chen C.H., Kuo S.M., Tien Y.C., Shen P.C., Kuo Y.W., **Hu an g H.H.*** 2020. Steady augmentation of anti-osteoarthritic actions of rapamycin by liposome- encapsulation in collaboration with low-intensity pulsed ultrasound. International

Journal of Nanomedicine, 15: 3771-3790. (SCI) (Corresponding author)
(PHARMACOLOGY & PHARMACY) (Project: MOST 106-2221-E-415-004;
MOST 107-2313-B-415-010)

2. Huang Y.W.†, **Hu an g H.H. †**, Chang R., Wu K.L., Kuo S.M. 2020. Antiaging and smoothness-improving properties of farnesol-based facial masks on rat skin exposed to ultraviolet B. Journal of Cosmetic Dermatology. 19(2): 540-552. (SCI) (co-first author) (DERMATOLOGY)
3. Shiu L.Y., **Hu an g H.H. .**, Chen C.Y., Cheng H.Y., Chen C.I., Kuo S.M. 2020.
Reparative and toxicity-reducing effects of liposome-encapsulated saikosaponin in mice with liver fibrosis. Bioscience Reports. 40(8): BSR20201219. (SCI) (Second author) (BIOCHEMISTRY & MOLECULAR BIOLOGY)
4. Chiang S.H.†, **Hu an g H.H. †**, Chou C.C., Chu C.S., Shih W.L., Lai J.M., Lin H.C., Yang W.C., Lee H.H., Tsai Y.L.*, Su Y.C.* 2020. Epidemiological survey of Toxoplasma gondii and Neospora caninum infections in dairy goats in Central- Southern Taiwan. The Journal of Veterinary Medical Science. 82(10): 1537-1544. (SCI) (co-first author) (VETERINARY SCIENCES)
5. Chen J.W.†, **Hu an g H.H. †**, Chang Z.M., Scaria J., Chiu Y.L., Chen C.M., Ko W.C., Wang J.L. 2020. Antibiotic-resistant Escherichia coli and sequence type 131 in fecal colonization in dogs in Taiwan. Microorganisms. 8(9): 1439. (SCI) (co-first author) (MICROBIOLOGY)
6. Wu Y.C., Wu G.X., **Hu an g H.H. ***, Kuo S.M.* 2019. Liposome-encapsulated farnesol accelerated tissue repair in third-degree burns on a rat model. Burns. 45(5):1139-1151. (SCI) (Equal corresponding author) (DERMATOLOGY)
7. Wu Y.C., **Hu an g H.H. .**, Wu Y.J., Yang C.C., Kuo S.M. 2019. Therapeutic and protective effects of liposomal encapsulation of astaxanthin in mice with alcoholic liver fibrosis. International Journal of Molecular Science. 20: 4057. (SCI) (Second author) (BIOCHEMISTRY & MOLECULAR BIOLOGY)
8. 9. Kang P.L., **Hu an g H.H. .**, Chen T., Ju K.C., Kuo S.M. 2019. Angiogenesis- promoting effect of LIPUS on hADSCs and HUVECs cultured on collagen/hyaluronan scaffolds. Materials Science & Engineering C. 102: 22-23. (SCI) (Second author) (MATERIALS SCIENCE, BIOMATERIALS)
9. Lin H.C., Chong W.H.†, **Hu an g H.H. †**, Chou C.C., Tsai Y.L., Chu C.S., Shih W.L.,
Su Y.C. 2018. Seroprevalence and molecular identification of Mycobacterium

- avium subspecies paratuberculosis in farmed goats in central-southern Taiwan. Taiwan Vet J. 44 (4): 189-196. (Equal second author)
10. Wu Y.J., Wu Y.C., Chen I.F., Wu Y.L., Chuang C.W., **Hu an g H.H.***, Kuo S.M.* 2018. Reparative effects of astaxanthin-hyaluronan nanoaggregates against retrorsine-CCl4-induced liver fibrosis and necrosis. *Molecules*. 23(4): 726. (SCI) (Equal corresponding author) (CHEMISTRY, MULTIDISCIPLINARY)
 11. Wu G.X., **Hu an g H.H.**, Chang H.R. and Kuo S.M. 2018. Evaluation of the UVB- screening capacity and restorative effects exerted by farnesol gel on UVB-caused sunburn. *Environmental Toxicology*. 33(4): 488-507. (SCI) (Second author) (WATER RESOURCES)
 12. Teong B., Kuo S.M., Tsai W.H., Ho M.L., Chen C.H.*, **Hu an g H.H.*** 2017.
Liposomal encapsulation for systemic delivery of propranolol via transdermal iontophoresis improves bone microarchitecture in ovariectomized rats. *International Journal of Molecular Sciences*. 18(4): 822. (SCI) (Equal corresponding author) (BIOCHEMISTRY & MOLECULAR BIOLOGY) (Project: MOST-104-2221-E-415-028)
 13. Chang S.H., **Hu an g H.H.**, Kang P.L., Wu Y.C., Chang M.H., Kuo S.M. 2017. In vitro and in vivo study of the application of volvox spheres to co-culture vehicles in liver tissue engineering. *Acta Biomaterialia*. 63: 261-273. (SCI) (Second author) (MATERIALS SCIENCE, BIOMATERIALS)
 14. Chu C.C. †, **Huang H.H.** ‡, Chiang S.H., Chou C.C., Lai J.M., Shih W.L., Changchien C.H., Lin H.C., Chuang S.T., Su Y.C. 2017. Investigation on antimicrobial resistance, enterotoxin and cassette chromosome Gene of *Staphylococcus aureus* isolates from humans, cow and goats in Taiwan. *Thai J Vet Med*. 47(4): 481-492. (SCI) (co-first author) (VETERINARY SCIENCES)
 15. **Hu an g H.H.***, Kuo S.M., Wu Y.J., Su J.H. 2016. Improvement and enhancement of anti-bladder carcinoma cell effects of heteronemin by the nano-sized hyaluronan aggregation. *International Journal of Nanomedicine*. 11: 1237-1251. (SCI) (First author and corresponding author). (PHARMACOLOGY & PHARMACY) (Project: MOST 103-2320-B-415 -004-)
 16. Hsiao K.Y., Wu Y.J., Liu N.Z., Chuang C.W., **Hu an g H.H.***, Kuo S.M.* 2016.
Anticancer effects of sinulariolide-conjugated hyaluronan nanoparticles on lung adenocarcinoma cells. *Molecules*. 21(3): 297. (SCI) (Equal corresponding author) (CHEMISTRY, MULTIDISCIPLINARY)

17. Ma C.T., Wu Y.J., **Hu an g H.H.**, Kang P.L., Hsiao K.Y., Lo D.Y. and Kuo S.M.
2016. In vitro and in vivo evaluation of the effect of nano-sized collagen molecules and nicotinamide on mesenchymal stem cell differentiation. Journal of Materials Chemistry B. 2016. 4(22): 3892-3902. (SCI) (Third author) (MATERIALS SCIENCE, BIOMATERIALS)
18. Feng T.H., Chou C.C., **Hu an g H.H.***, Liao M.H.* et al. 2015. Molecular prevalence of zoonotic pathogens in pet and stray dogs in southern Taiwan. Thai J Vet Med. 45(4): 509-522. (SCI) (Equal corresponding author) (VETERINARY SCIENCES)
19. Yang H.L., **Hu an g H.H.***, Liao M.H.* et al. 2015. Clinical Characteristics, Antibiotic Resistance and Molecular Typing of Methicillin-Resistant Staphylococcus aureus in a Teaching Hospital at South Taiwan. British Microbiology Research Journal. 8: 513-524. (Equal Corresponding author).
20. Liao M.H., Liu S.S., Peng I.C., Tsai F.J., **Hu an g H.H.*** 2014. The stimulatory effects of alpha1-adrenergic receptors on TGF-beta1, IGF-1 and hyaluronan production in human skin fibroblasts. Cell Tissue Res. 357(3): 681-693. (SCI) (Corresponding author) (CELL BIOLOGY) (Project: NSC 101-2320-B-276-001- and NSC 100-2320-B-276-001-)
21. Teong B., Kuo S.M., Chen C.H., Chen Y.K., Cheng Z.J., **Hu an g H.H.***. 2014.
Characterization and human osteoblastic proliferation- and differentiation-stimulatory effects of phosphatidylcholine liposomes-encapsulated propranolol hydrochloride. Biomed Mater Eng. 24(5): 1575-1587. (SCI) (Corresponding author) (ENGINEERING BIOMEDICAL) (Project: NSC 102-2221-E-276-002-)
22. Lu C.M., Lin J.J., **Hu an g H.H.**, Ko Y.C., Hsu J.L., Chen J.C., Din Z.H., Y.J. Wu.
2014. A panel of tumor markers, calreticulin, annexin A2, and annexin A3 in upper tract urothelial carcinoma identified by proteomic and immunological analysis. BMC Cancer. 14: 363. (SCI) (Third author) (ONCOLOGY)
23. Chou C.H., Yeh T.M., Lu Y.P., Shih W.L., Chang C.D., Chien C.H., Liu S.S., Wu H.Y., Tsai F.J., **Hu an g H. H.*** and Liao M.H.* 2014. Prevalence of zoonotic pathogens by molecular detection in stray dogs in central Taiwan. Thai J Vet Med. 44(3): 363-375. (SCI) (Equal corresponding author) (VETERINARY SCIENCES)

[And more](#)

Update: 24/01/2022