



Lai, Cheng-Hung

Associate Professor

Specialties : Parasitology, Internal Medicine,
Dermatology, Veterinary Acupuncture

Course taught:

Undergraduate: Parasitology, Internal Medicine,
Dermatology, Veterinary Acupuncture,
Animal Welfare

Graduate: Advanced Internal Medicine,
Animal Welfare

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Educational Background

Graduate Institute of Veterinary Microbiology, National Chung Hsing University (1996.9 ~ 1997.8)

Ph.D., Department of Veterinary Medicine, National Chung Hsing University (1997.9 ~ 2002.1)

Academic/Teaching Experience

PostDoc, Chung-Shan Medical University (2002.8 ~ 2003.7)

Assistant Professor, Department of Biotechnology, Fooyin University (2003.8 ~ 2005.7)

Assistant Professor, Department of Veterinary Medicine, NCHU (2005.8~ 2013.1)

Associate Professor, Department of Veterinary Medicine, NCHU (2013.2~ present)

Research

1. Study of the causing factors of canine skin diseases in Taiwan
2. Application of acupuncture and herbal medicine in canine atopic dermatitis
3. Application of acupuncture in inflammatory arthritis and chronic hepatitis

Selected Publications

1. Peng HY, Chang HM, Lee SD, Huang PC, Chen GD, Lai CH, Lai CY, Chiu CH, Tung KC, Lin TB. 2008. TRPV1 mediates the uterine capsaicin-induced NMDA NR2B-dependent cross-organ reflex sensitization in anesthetized rats. *American Journal of Physiology-Renal Physiology* 295: F1324-F1335. (SCI)
2. Yu CY, Wu HH, Chao MR, Chou ST, Yeh RH, Tsai MY, Chen TT, Lai CH, Chen KL. 2008. Comparisons of the hematological values during gestation and lactation in New Zealand White and Rex rabbits. *Taiwan Veterinary Journal* 34: 165-169.
3. Liu PC, Lin CC, Lin SL, Lai CH, Wang WS. 2008. Case report: canine juvenile cellulites in Labrador Retriever puppies. *Taiwan Veterinary Journal* 34: 192-197.
4. Tung KC, Hsiao FC, Yang CH, Chou CC, Lee WM, Wang KS, Lai CH*. 2009. Surveillance of endoparasitic infections and the first report of *Physaloptera* sp. and *Sarcocystis* spp. in farm rodents and shrews in central Taiwan. *Journal of Veterinary Medicine and Science* 71: 43-47. (SCI)(Corresponding author)

5. Peng HY, Chen GD, Tung KC, Chien YW, Lai CY, Hsieh MC, Chiu CH, Lai CH, Lee SD, Lin TB. 2009. Estrogen-dependent facilitation on spinal reflex potentiation involves the Cdk5/ERK1/2/NR2B cascade in anesthetized rats. *American Journal of Physiology-Endocrinology and Metabolism* 297: E416–E426. (SCI)
6. Peng HY, Chen GD, Lai CH, Tung KC, Chang JL, Lin TB. 2010. Endogenous ephrinB2 mediates colon-urethra cross-organ sensitization via Src kinase-dependent tyrosine phosphorylation of NR2B. *American Journal of Physiology-Renal Physiology* 298: F109–F117. (SCI)
7. Chen NG, Chen KT, Lu CC, Lan YH, Lai CH, Chung YT, Yang JS, Lin YC. 2010. Allyl isothiocyanate triggers G2/M phase arrest and apoptosis in human brain malignant glioma GBM 8401 cells through a mitochondria-dependent pathway. *Oncology Reports* 24: 449-455. (SCI)
8. Liu PC, Lai CH, Kim SH, Song KH, Kim DH. 2010. Combination therapies by traditional veterinary medicine and conventional treatment for demodicosis in a dog. *Journal of Veterinary Science Chungnam National University* 17: 1-5.
9. Liu PC, Lai CH, Cheng FP, Lee WM, Kim SH, Song KH, Kim DH. 2010. Treatment of hypothyroidism in a dog. *Journal of Veterinary Science Chungnam National University* 17: 7-11.
10. Chen NG, Lu CC, Lin YH, Shen WC, Lai CH, Ho YJ, Chung JG, Lin TH, Lin YC, Yang JS. 2011. Proteomic approaches to study epigallocatechin gallate-provoked apoptosis of TSGH-8301 human urinary bladder carcinoma cells: roles of AKT and heat shock protein 27-modulated intrinsic apoptotic pathways. *Oncology Reports* 26: 939-947. (SCI)
11. Tung KC, Huang CC, Pan CH, Yang CH, Lai CH*. 2012. Prevalence of gastrointestinal parasites in yellow cattle between Taiwan and its offshore islands. *The Thai Journal of Veterinary Medicine* 42: 219-224. (SCI) (Corresponding author)
12. Lai CH*, Liu PC, Lee WM, Lin HY. 2012. Apitoxin aquapuncture and administration of herbal medicine in a dog with superficial pyoderma. *The Thai Journal of Veterinary Medicine* 42: 373-377. (SCI) (Corresponding author)
13. Chang KM, Chen KS, Wang HC, Lai CH, Hsieh YT, King HH, Lee WM. 2012. Combination of acupuncture and aquapuncture using Vitamin B Complex for treatment of chronic degenerative changes of hip joints and anal relaxation in a dog. *The Thai Journal of Veterinary Medicine* 42: 387-390. (SCI)
14. Tung KC, Hsiao FC, Wang KS, Yang CH, Lai CH*. 2013. Study of the endoparasitic fauna of commensal rats and shrews caught in traditional wet markets in Taichung City, Taiwan. *The Journal of Microbiology, Immunology and Infection* 46, 85-88. (SCI) (Corresponding author)
15. Chang SH, Tang P, Lai CH, Kuo ML, Wang LC. 2013. Identification and characterisation of microRNAs in young adults of *Angiostrongylus cantonensis* via a deep-sequencing approach. *Memórias do Instituto Oswaldo Cruz*. 108: 699-706. (SCI)
16. Huang CC, Wang LC, Pan CH, Yang CH, Lai CH*. 2014. Investigation of gastrointestinal parasites of dairy cattle around Taiwan. *The Journal of Microbiology, Immunology and Infection* 47: 70-74. (SCI) (Corresponding author)

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