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簡要學經歷及重要榮譽

國立中興大學獸醫學系	博士班	1997.09 ~ 2002.01
中山醫學大學毒理學研究所	博士後研究	2002.08 ~ 2003.07
輔英科技大學生物技術系	助理教授	2003.08 ~ 2005.07
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研究興趣及成果簡述

1. 犬皮膚病之致病因子調查研究

犬隻皮膚病之發病率高，且其病因眾多，症狀複雜，病程較長，確診及治療都有難度。台灣地處於溫暖潮濕的亞熱帶氣候，犬隻罹患皮膚病的情況更是常見。造成皮膚病之致病因子種類繁多，包括細菌、病毒、黴菌、寄生蟲、自體免疫等均可能造成犬隻的皮膚病變。本研究室長期檢測犬隻皮膚炎之致病因子，並持續監測致病菌之抗藥性。

2. 針灸及中草藥在小動物臨床之應用研究

針灸及中草藥的應用在傳統醫學上具有悠久歷史，然而在小動物疾病的應用研究並不多。本研究室持續進行針灸及中草藥在小動物臨床之應用研究。

(1) 針灸在關節炎之應用研究

(2) 針灸在異位性皮膚炎之應用研究

(3) 中草藥在異位性皮膚炎之應用研究

代表著作 (2021~ 迄今)

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3. Fang PH, Lai YY, Chen CL, Wang HY, Chang YN, Lin YC, Yan YT, Lai CH*, Cheng B*. 2022. Cobalt protoporphyrin promotes human keratinocyte migration under hyperglycemic conditions. *Molecular Medicine* 28: 71. (SCI, Q1)
4. Lai CH, Ma YC, Shia WY, Hsieh YL, Wang CM. 2022. Risk factors for antimicrobial resistance of

Staphylococcus species isolated from dogs with superficial pyoderma and their owners. *Veterinary Sciences* 9: 306. (SCI, Q2)

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7. Chen DJ, Lai CH*. 2023. Exploring the mechanisms of magnolol in the treatment of periodontitis by integrating network pharmacology and molecular docking. *Biocell* 47: 1317-1327. (SCI, Q4)
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11. Lai CH*, Wang MC, Fei CY. 2024. An evaluation of two independent populations for Formosan ferret-badgers sampling in Taiwan. *Open Access Research Journal of Multidisciplinary Studies* 08: 068-074.
12. Liao CY, Lai CH*. 2024. Integrated Western and traditional Chinese medicine therapy in a dog with acute pancreatitis. *Thai Journal of Veterinary Medicine* 54: 1-6. (SCI, Q4)
13. Fang PH, Lin TY, Huang CC, Lin YC, Lai CH*, Cheng B*. 2025. Cobalt protoporphyrin downregulates hyperglycemia-induced inflammation and enhances mitochondrial respiration in retinal pigment epithelial cells. *Antioxidants* 14: 92. (SCI, Q1)
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15. Liao CY, Cheng TL, Lai CH*. 2025. Relationship between urine protein-to-creatinine ratio and leukocyte esterase in canine urine samples. *Veterinary Medicine and Science* 11: e70532. (SCI, Q2)
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