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Professor

Professional specialty:

Traditional Chinese Veterinary Medicine,
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Lectures:

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Educational Background

Ph.D. in Veterinary Medicine, National Chung-Hsing University, Taiwan, 01/2009.

Master of Veterinary Medical Science, National Chung-Hsing University, Taiwan,
06/2002.

D.V.M., National Taiwan University, Taiwan, 06/1997.

Current Position and Professional Career

Professor, Department of Veterinary Medicine, NCYU, 08/2017 - now

Honors

Teaching Excellence Award, NCYU, 2018.

Taiwan Veterinary Elite Award, 2024.

Veterinarian Outstanding Contribution Award, Chiayi City, R.O.C., 2024.

Selected Publications

1. Ho CF, Huang SW, **Chan KW**, Wu JS, Chang SP, Wang CY. 2018. Development of an antigen-capture ELISA for beak and feather disease virus. Arch Virol. 163(1): 145-151. (SCI)
2. Hsu YH, Chou SJ, Chang CC, Pan MJ, Yang WC, Lin CF, **Chan KW**. 2017. Development and validation of a new loop-mediated isothermal amplification for detection of pathogenic Leptospira species in clinical materials. J Microbiol Methods 141: 55-59. (SCI)
3. Yang WC, Chen HY, Wang CY, Pan HY, Wu CW, Hsu YH, Su JC, **Chan KW**.

2017. High prevalence of caprine arthritis encephalitis virus (CAEV) in Taiwan revealed by large-scale serological survey. *The Journal of Veterinary Medical Science* 79(2): 273-276. (SCI)
4. Yang WC, Wu BJ, Sierra E, Fernandez A, Groch KR, Catão-Dias JL, West K, **Chan KW**. 2016. A simultaneous diagnosis and genotyping method for global surveillance of cetacean morbillivirus. *Scientific Reports* 6: 1-5. (SCI)
 5. **Chan KW**, Lo C, Chu CS, Chin LT, Wang YT, Yang WC. 2016. Development of a Colloidal Gold-based Immunochromatographic Test Strip for Detection of Cetacean Myoglobin. *J Vis Exp* 113:53433. (SCI)
 6. Lee ML, Hsu WL, Wang CY, Chen HY, Lin FY, Chang MH, Chang HY, Wong ML, **Chan KW**. 2016. Goatpoxvirus ATPase activity is increased by dsDNA and decreased by zinc ion. *Virus Genes* 52(5): 625-632.(SCI)
 7. Kai-Yang Lin, Jyh-Mirn Lai, **Kun-Wei Chan**, Ren-Der Wu. 2016. Relevant clinical signs and risk factors associated with pathogens of canine infectious tracheobronchitis. *European International Journal of Science and Technology* 5(3): 131-141.
 8. Lin FY, Tseng YY, **Chan KW**, Kuo ST, Yang CH, Wang CY, Takasu M, Hsu WL, Wong ML. 2015. Suppression of influenza virus infection by the orf virus isolated in Taiwan. *Journal of Veterinary Medical Science* 77(9): 1055-1062. (SCI)
 9. Huang SW, Ho CF, **Chan KW**, Cheng MC, Shien JH, Liu HJ, Wang CY. 2014. The genotyping of infectious bronchitis virus in Taiwan by a multiplex amplification refractory mutation system reverse transcription polymerase chain reaction. *Journal of veterinary diagnostic investigation*. 26(6): 721-733. (SCI)
 10. Chia-Fang Ho, **Kun-Wei Chan**, Wei-Cheng Yang, Yu-Chung Chiang, Yang-Tsung Chung, James Kuo et al. 2014. Development of a multiplex amplification refractory mutation system reverse transcription polymerase chain reaction assay for the differential diagnosis of Feline leukemia virus vaccine and wild strains. *Journal of Veterinary Diagnostic Investigation*. 26(4): 496-506. (SCI)
 11. Liu PY, Shi ZY, Tung KC, Shyu CL, **Chan KW**, Liu JW, Wu ZY, Kao CC, Huang YC, Lin CF. 2014. Antimicrobial resistance to cefotaxime and ertapenem in Enterobacteriaceae: the effects of altering clinical breakpoints. *The Journal of Infection in Developing Countries* 8(3): 289-296. (SCI)
 12. **Kun-Wei Chan**, Ming-Liang Lee, Wei-Cheng Yang, Min-Liang Wong, Wei-Li Hsu, Chia-Fang Ho, Yao-Ching Hsieh, Chi-Young Wang. 2014. Differential

diagnosis of Goatpox virus in Taiwan by multiplex polymerase chain reaction assay and high-resolution melt analysis. *Journal of Veterinary Diagnostic Investigation* 26(2): 195-202. (SCI)

13. **Chan Kun-Wei**, Hsu Yun-Hsiu, Hu Wei-Ling, Pan Ming-Jeng, Lai Jyh-Mirn, Huang Kwo-Ching, and Chou Shih. 2014. Serological and PCR Detection of Feline *Leptospira* in Southern Taiwan. *Vector-Borne and Zoonotic Diseases* 14(2): 118-123. (SCI)
14. Ho CF, **Chan KW**, Yeh HI, Kuo J, Liu HJ, Wang CY. 2013. Ketone bodies upregulate endothelial connexin 43 (Cx43) gap junctions. *The Veterinary Journal* 198(3): 696-701. (SCI)
15. Lo C, Chin LT, Chu CS, Wang YT, **Chan KW**. 2013. Yang WC. Rapid immune colloidal gold strip for cetacean meat restraining illegal trade and consumption: implications for conservation and public health. *PloS One* 8(3): e60704. (SCI)
16. **Chan KW**, Liu PC, Yang WC, Kuo J, Chang CL, Wang CY. 2012. A novel loop-mediated isothermal amplification approach for sex identification of Columbidae birds. *Theriogenology*. 78(6): 1329-1338. (SCI)
17. Liu PY, Shi ZY, Lin CF, Huang JA, Liu JW, **Chan KW**, Tung KC. 2012. *Shewanella* infection of snake bites: a twelve-year retrospective study. *Clinics (Sao Paulo)* 67: 431-435. (SCI)
18. Lin FY, **Chan KW**, Wang CY, Wong ML, Hsu WL. 2011. Purification and functional motifs of the recombinant ATPase of orf virus. *Protein Expr Purif*. 79: 210-216. (SCI)

[And more](#)

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