



Lee, Wei-Cheng

Professor

Professional specialty : Swine diseases,
Immunopathology, Veterinary pathology

Courses taught: :

Undergraduate: Swine diseases, Veterinary pathology

Graduate: Immunopathology, Molecular pathology,
Diagnostic pathology

Tel : 04-22840894 ext 408

E-mail : wlee@dragon.nchu.edu.tw

Education Background :

PhD, Department of Veterinary Pathology, Edinburgh University, UK, 1994

MS, Department of Veterinary Medicine, National Chung Hsing University, Taiwan, 1985

BS, Department of Veterinary Medicine, National Chung Hsing University, Taiwan, 1977

Current Position and Professional Career

Professor, Graduate Institute of Veterinary Pathology, NCHU (2000~)

Standing Board Member, Chinese Society of Veterinary pathology, Chinese Society of Veterinary Science, and Taiwan Association of Veterinary Medicine and Animal Husbandry

Director, Graduate Institute of Veterinary Pathology, NCHU (2003~ 2009)

Director, Animal Disease Diagnostic Center, NCHU (2003~2006)

Associate professor, Department of Veterinary Medicine, NCHU (1994 ~ 2000)

Instructor, Department of Veterinary Medicine, NCHU (1985 / 08 ~ 1994 / 07)

Assistant teacher, Department of Veterinary Medicine, NCHU (1979 / 08 ~ 1985 / 07)

Current Research Interesting

1. Immunopathology and epidemiology of classical swine fever and swine respiratory diseases
2. Immunoregulation and application of immunomodulants on swine disease control

Selected publications:

1. Lu, Chi-Yang, Fu-Ming Wu, Ching-Chung Sheu, Wen-Chen Huang and **Wei-Cheng Lee***. 2002. Pathological and serological surveillance on classical swine fever virus persistently infected farms. *Taiwan Veterinary Journal*, 28 : 211-9
2. Tsai, K. Y., M. S. Chien, C. C. Lin, C. I. Liu, and **W. C. Lee***. 2003. Evaluation of protective efficacy of classical swine fever E2 subunit marker vaccine. *Taiwan Veterinary Journal* 29:214-222.
3. Lin, C. C., **W. C. Lee**, C. Huang, G. H. Chen, C. I. Liu and M. S. Chien*. 2004. Porcine dermatitis and nephropathy syndrome in pig. *Taiwan Veterinary Journal*. 30:33-38.
4. Lo, D.Y., T.H. Chen, M.S.Chien, K. Koge, A. Hosono, S. Kaminogawa and **W.C. Lee*** 2005.

- Effects of Sugar Cane Extract on the Modulation of Immunity in Pigs. *Journal of Veterinary Medical Science*, 67: 591-597.
5. Lo, D.Y, W.M Lee, M.S. Chien, C.C. Lin, and **W.C. Lee***. 2005. The Effects of Dexamethasone on Peripheral Blood Mononuclear Cells (PBMC) Phenotype in Weanling Piglet. *Comparative Immunology Microbiology and Infectious Disease*. 28:251-258.
 6. Lo, D.Y, W.M Lee, M. S. Chien, C.C. Lin, **W.C. Lee***. 2005. The Influence of Dexamethasone on NK cytotoxicity and neutrophil phagocytosis in Weanling Piglets. *Taiwan Veterinary Journal* 31:138-147.
 7. Lo, D.Y., M.S. Chien, K. Koge, A. Hosono, S. Kaminogawa and **W. C. Lee***. 2006. Effect of sugar cane extract on pseudorabies virus challenge of pigs: functional assays of leukocytes. *Journal of Veterinary Medical Science*, 67: 591-597.
 8. Sheu, Y.T., M. S., Chien, C.S. Wang, C. C. Lin, C.I. Liu, and **W. C. Lee***. 2006. The use of ELISA in classical swine fever virus antibody monitoring in Taiwan. *Taiwan Veterinary Journal*. 32:248-257.
 9. Lo, D.Y., C. N Hung, **W. C Lee**, J.W. Liao, B.A. B;acklaws, T.H Chen, M.S.hien, S.L.Hsuan*. 2009. Immunostimulaton by detoxified *E. coli* lipopolysaccharide combined with inactivated *Propionibacterium granulosum* cells on porcine immunity. *Journal of Veterinary Medical Science*, 71: 897-903.
 10. Wu CM, Z.W Chen, T. H Chen, J.W. Liao, C.C. Lin, M.S. Chien, **W.C. Lee**, S.L. Hsuan. 2011. Mitogen-activated protein kinases p38 and JNK mediate *Actinobacillus pleuropneumoniae* exotoxin ApxI-induced apoptosis in porcine alveolar macrophages. *Veterinary Microbiology* 151: 372–378.
 11. Chen, Y.Y., Y.C. Fan, W.C. Tu, R. Y. Chang, C.C. Shih, I.H. Lu, M. S. Chien, **W.C. Lee**, T.H. Chen, G.J. Chang, and S.S. Chiou. 2011. Japanese Encephalitis Virus Genotype Replacement, Taiwan. *Emerging Infectious Diseases* 17:2354-6.
 12. Chen M.H., D.Y. Lo, J.W. Liao, S.L. Hsuan, M.S. Chien, C. C. Lin, T.H Chen and **W.-C. Lee***. 2012. Immunostimulation of Sugar Cane Extract on Neutrophils to *Salmonella typhimurium* Infection in Mice. *Phytother Res*. 26:1062-7.

* Corresponding author