



Chen, Ter-Hsin

Professor and Dean

Professional specialty : meat hygiene, zoonosis, veterinary public health, drug residue

Courses Taught :

undergraduate : veterinary public health, veterinary pathology

graduate : advance veterinary public health, environmental toxicology, advance meat hygiene

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Educational Background

- PhD, Iowa State University, Veterinary Physiology and Pharmacology, 1996
- BS , National Chung Hsing University, Veterinary Medicine, 1987

Current Position and Professional Career

- Dean, College of Veterinary Medicine, National Chung Hsing University (02/2021-present)
- Director, Graduate Institute of Veterinary Pathobiology (08/2015-07/2016, 02/202001/2021)
- The Secretary-General of NCHU) 2016.08 – 2019.01
- Professor, Graduate Institute of Veterinary Pathobiology, National Chung Hsing University (02/2011-present)
- Associate Professor, Graduate Institute of Veterinary Pathobiology, National Chung Hsing University (08/2009-01/2011)
- Associate Professor, Graduate Institute of Veterinary Public Health, National Chung Hsing University (02/2007- 07/2009)
- Assistant Professor, Graduate Institute of Veterinary Public Health, National Chung Hsing University (08/2003-01/2007)
- Chief, Service Section, National Animal Industry Foundation (01/2001-09/2002)
- Associate Researcher, Pig Research Institute Taiwan (03/1996-12/2000)
- USDA, FY2002 FSIS meat & poultry inspection seminar for international government officials, College Station, TX, USA(04/2002-04/2002)

Honor and Achievements

- Advisory Committee member of Bureau of Animal and Plant Health Inspection and Quarantine, Council of Agriculture, Executive Yuan.(2021-present)
- Members of the Board of Examiners, Ministry of Examination R.O.C.(Taiwan) (2017-present)
- Member of the slaughter house HACCP validation committee, Bureau of Animal and Plant Health Inspection and Quarantine, Council of Agriculture, Executive Yuan.(2021-present)
- Establishment of the collaboration between NCHU and ISU in terms of graduate education (2018).

Selective Publication

1. Chen YH, Chiu CC, Hung SW, Liu JY, Wang YC, Lv Q, Hsu CC, Huang YW, Huang WC, Chuang HL, **Chen TH***. 2017, Effects of plant- and animal-based high-fat diets on lipid storage and distribution in environmental bacteria-colonized gnotobiotic mice. *Biochem Biophys Res Commun*. 2017 Nov 18; 493(2):1075-1081.
2. Liao SW, Lee JJ, Ptak CP, Wu YC, Hsuan SL, Kuo CJ, **Chen TH***. 2018, Effects of L-arabinose efflux on λ Red recombination-mediated gene knockout in multiple-antimicrobial-resistant *Salmonella enterica* serovar Choleraesuis. *Arch Microbiol*. 2018 Mar;200(2):219-225.
3. Hsu TH, Chiu CC, Wang YC, **Chen TH**, Chen YH, Lee YP, Hung SW, Wu CP, Chuang HL*. 2018, Supplementation with Beef Extract Improves Exercise Performance and Reduces Post-Exercise Fatigue Independent of Gut Microbiota. *Nutrients*. 2018 Nov 12;10(11):1740-50.
4. Hung LH, Wu YC, **Chen TH**, Chou CH. 2018, Investigation of the prevalence of *Clostridium difficile* in dogs in Changhua Area (1). *J. Chin Soc. Anim. Sci.* 47(4): 239~252, 2018.
5. Chang YC, Chuang HL, Yin JH, Liao JW, **Chen TH**, Wang YC. 2019, Significance of sphingosine kinase 1 expression in feline mammary tumors. *BMC Vet Res*. 2019 May 17;15(1):155-63.
6. Kuo CJ, Gao J, Huang JW, Ko TP, Zhai C, Ma L, Liu W, Dai L, Chang YF, **Chen TH**, Hu Y, Yu X, Guo RT, Chen CC. 2019, Functional and structural investigations of fibronectin-binding protein Apa from *Mycobacterium tuberculosis*. *Biochim Biophys Acta Gen Subj*. 2019 Sep;1863(9):1351-1359.
7. Chen YH, Chiu CC, Hung SW, Huang WC, Lee YP, Liu JY, Huang YT, **Chen TH***, Chuang HL*. 2019, Gnotobiotic mice inoculated with Firmicutes, but not Bacteroidetes, deteriorate nonalcoholic fatty liver disease severity by modulating hepatic lipid metabolism. *Nutr Res*. 2019 Sep;69:20-29. doi: 10.1016/j.nutres.2019.07.001. Epub 2019 Jul 30.
8. Chen YH, Wang YC, Chiu CC, Lee YP, Hung SW, Huang CC, Chiu CF, **Chen TH**, Huang WC, Chuang HL*. 2020, Housing condition-associated changes in gut microbiota further affect the host response to diet-induced nonalcoholic fatty liver. *J Nutr Biochem*. 2020 Feb 24;79:108362. doi: 10.1016/j.jnutbio.2020.102.83
9. Lin WC, Ptak CP, Chang CY, Ian, MK, Chia MY, **Chen TH**, Kuo CJ. Autochthonous lactic acid bacteria isolated from dairy cow feces exhibiting promising probiotic properties and invitro antibacterial activity against foodborne pathogens in cattle. *Front. Vet. Sci.* 2020;15;7:239.7:239
10. Lee YP, Huang WC, Lin TJ, Chiu CC, Wang YC, Chen YH, Hung SW, Chuang HL, **Chen TH**. 2021, Toll-like receptor 4 prevents AOM/DSS-induced colitis-associated colorectal cancer in *Bacteroides fragilis* gnotobiotic mice. *Hum Exp Toxicol*. 2021 Apr;40(4):622-633.
11. Chuang HL, Chang YC, Huang YT, Liao JW, Kao PL, Chen YF, Lin BY, Lin YL, **Chen TH**, Wang YC *. 2021, Establishment and characterization of feline mammary tumor patient-derived xenograft model. *Animals*, 2021, 11(8), 2380; <https://doi.org/10.3390/ani11082380>.
12. Wu LT, Wu XX, Ke SC, Lin YP, Wu, YC, **Chen TH**, Chen CM, 2021, Antimicrobial resistance genes and genetic characteristics of multidrug-resistant *Escherichia coli* in a veterinary hospital in Taiwan. *J Medical Microbiology* November 15, 70(11):0000