



## Kendy Tzu-yun Teng, Assistant Professor

**Research Interests:** One Health/One Welfare, Small animal epidemiology, Veterinary epidemiology, Animal welfare quantification

**Courses Taught:** Veterinary public health, Animal welfare science, Animal infectious disease, Veterinary volunteer clinic for companion animals, Clinical Conference, Fundamentals in veterinary basic science

**Lab Website:** <https://kendyteng.github.io/>

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### Educational and Professional Background

2020-2022 Department of Veterinary Medicine, National Taiwan University Postdoc researcher  
2018-2020 VISAVET, Complutense University, Spain Postdoc researcher  
2014-2018 Sydney School of Veterinary Science, the University of Sydney, Australia PhD  
2006-2012 Department of Veterinary Medicine, National Taiwan University DVM

### Research and Teaching Project

Principal investigator Optimise Strategies of Free-roaming Dog Population Reduction in Taiwan  
Ministry of Agriculture, NT2,500,000 01/01/2024–31/12/2024

Co-investigator Comparative pharmacokinetic studies to reduce representative species of Perciformes  
Ministry of Agriculture, NT1,520,000 01/01/2024–31/12/2024

Co-investigator K-BAD, Estimating the Kanine Burden of Animal Disease in the UK.  
Dogs Trust Canine Welfare Grants, the United Kingdom  
NT\$3,976,546, 01/01/2024–31/07/2026

Principal investigator Optimising the Management of Animal Population and Welfare in Public Animal Shelters (OMAPWAS). National Science and Technology Council, NT\$2,760,000,  
01/08/2023–31/07/2025

Principal investigator General Welfare State of Exotic Companion Small Mammals and the Prioritized Welfare Issues According to Taiwanese Exotic Pet Veterinarians.  
College of Veterinary Medicine, National Chung Hsing University, NT\$100,000,  
01/07/2023–30/06/2024

Co-investigator Formulating the Taipei City Husbandry Standards for Rodents, Rabbits, and Birds.  
Taipei City Animal Protection Office, NT\$150,000. 01/02–31/09/2023

Sub-investigator StrayLOHAS: Stray Animals Reduction and Fulfilment of Welfare Project.  
Ministry of Education, NT\$20,900,000, 01/01/2023–31/12/2024

Principal investigator Development of the Companion Animal Bereavement Scale and the Risk Factors for High CABS Scores. College of Veterinary Medicine, National Chung Hsing University, NT\$300,000, 10/01/2022–09/31/2024

### Honors

Mar 2023 Top 100 Scientific Reports papers published in 2022. Scientific Reports.  
Mar 2023 Recipient of 2023 RGU International Guest Researcher Program.  
Rakuno Gakuen University, Japan.  
Oct 2019 GeoVet 2019 Travel Award. GeoVet Committee.

May 2018	<u>Doctorate awarded without emendation</u> . Sydney, Australia.
Jan 2016	<u>2015 RSPCA Australia Alan White Scholarship for Animal Welfare</u> . RSPCA Australia, Australia.
Dec 2013	<u>Taiwanese Government Sponsorship for Overseas Study (3-year scholarship)</u> . Taiwanese Government, Taiwan
Nov 2013	<u>2014 Endeavour Postgraduate Scholarship (4-year scholarship)</u> . Australian Government, Australia

### **Selected Publications**

1. Yan TY, **Teng KT\***. Trends in animal shelter management, adoption, and animal death in Taiwan from 2012 to 2020. *Animals*. 2023;13(9), 1451. <https://doi.org/10.3390/ani13091451>.
2. Aerts M\*, **Teng KT**, Jaspers S, Alvarez J. A multcategory logit model detecting temporal changes in antimicrobial resistance. *PLoS ONE*. 2022; 17(12): e0277866.
3. **Teng KT\***, Aerts M, Jaspers S, Ugarte-Ruiz M, Moreno MA, Saez JL, Collado S, de Frutos C, Domínguez L, Alvarez J. Patterns of antimicrobial resistance in *Salmonella* isolates from fattening pigs in Spain. *BMC Veterinary Research*. 2022; 18 (1), 1-17.
4. **Teng KT\***, Pegram C, Church D, Brodbelt D, O'Neill D. Life tables providing year-by-year life expectancy and mortality for dogs in the United Kingdom. *Scientific Reports*. 2022; 12(1), 1-11.
5. **Teng KT**, Chang CC, Tsai YL, Chiu CY, Yang CY, Chou YB, Chou CC\*. A stochastic assessment to quantify the risk of introduction of African swine fever virus to Taiwan via illegal pork products carried by international travellers. *Transboundary and Emerging Diseases*. 2021. <https://doi.org/10.1111/tbed.14337>.
6. Buendía A, **Teng KT**, Camino E, Domínguez L, Cruz-Lopez F\*. Influence of multiple physiologic factors on hematologic reference intervals in horses in Spain. *Veterinary Clinical Pathology*. 2021. <https://doi.org/10.1111/vcp.12965>.
7. **Teng KT\***, McGreevy PD, Toribio J-ALML, Dhand NK. Positive attitudes towards feline obesity are strongly associated with ownership of obese cats. *PLoS One*. 2020; 15(6): e0234190.
8. **Teng KT\***, Martínez M, Ugarte-Ruiz M, Barcena C, de la Torre A, Lopez G, Moreno MA, Domínguez L, Alvarez J. Spatial trends in *Salmonella* infection in pigs in Spain. *Frontiers in Veterinary Science*. 2020; 7:345.
9. **Teng KT\***, Devleeschauwer B, Maertens De Noordhout C, Bennett P, McGreevy PD, Chiu PY, Toribio J-ALML, Dhand NK. Welfare-Adjusted Life Years (WALY): A novel metric of animal welfare that combines the impacts of impaired welfare and abbreviated lifespan. *PLoS One*. 2018;13(9):e0202580.
10. **Teng KT\***, McGreevy PD, Toribio J-ALML, Raubenheimer D, Kendall K, Dhand NK. Associations of body condition score with health conditions related to overweight and obesity in cats. *Journal of Small Animal Practice*. 2018;59(10):603-615.
11. **Teng KT\***, McGreevy PD, Toribio J-ALML, Raubenheimer D, Kendall K, Dhand NK. Strong associations of 9-point body condition scoring with survival and lifespan in cats. *Journal of Feline Medicine and Surgery*. 2018;1098612X17752198.
12. **Teng KT\***, McGreevy PD, Toribio J-ALML, Raubenheimer D, Kendall K, Dhand NK. Risk factors for underweight and overweight in cats in metropolitan Sydney, Australia. *Preventive Veterinary Medicine*. 2017;144:102–111.
13. **Teng KT\***, McGreevy PD, Toribio J-ALML, Dhand NK. Trends in popularity of some morphological traits of purebred dogs in Australia. *Canine Genetics and Epidemiology*. 2016;3:1–9.