

PERSONAL DATA

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Affiliation: Department of Veterinary Medicine, School of Veterinary Medicine, National Taiwan University, Taipei, Taiwan.



EDUCATION & EXPERIENCES

Experience:

Aug. 2014-July 2018 Associate Professor, Department of Veterinary Medicine, College of Veterinary Medicine, National Chiayi University

Aug. 2009-July 2014 Assistant Professor, Department of Veterinary Medicine, National Chiayi University

Sep. 2008 – June 2009 Post-doctoral fellowship in Inst. Ecology & Evolutionary Biology, NTU

July 2000 – July 2003 Veterinarian in Taiwan Cetacean Society

2017-2020 President: Taiwan Cetacean Society

2014-2016 Secretary General: Taiwan Cetacean Society

Sep 2007-present Consultant veterinarian: Farglory Ocean Park

Academic education:

Sep 2003 - Jan 2008 PhD program in Ecology & Evolutionary Biology, National Taiwan University, Taiwan

Sep 1998 - June 2000 Master of Science in Veterinary Medicine, National Taiwan University, Taiwan

Sep 1993 - June 1998 Doctor of Veterinary Medicine, National Taiwan University, Taiwan

RESEARCH INTERESTS

1. Cetacean Conservation Medicine
2. Development of Diagnostic Tools for Cetaceans

PUBLICATIONS (Selected)

1. Ho, Yun; Kun-Wei Chan; **Wei-Cheng Yang***. 2024 A rapid DNA amplification assay for cetacean product identification: Providing insights for illegal cetacean utilization and implications for conservation. *Ocean & Coastal Management*, 251, 107084.
2. Cheng, J. O., Wang, P. L., Chou, L. C., Chang, C. W., Wang, H. V., **Wei-Cheng Yang**, & Ko, F. C*.2024 Investigation of organic contaminants in the blubber

- of a blue whale (*Balaenoptera musculus*) first stranded on the coast of Taiwan. *Environmental Science and Pollution Research*, 31(16), 23638–23646
3. Liu, Tzu-Yu, Michael W. Hughes, Hao-Ven Wang, **Wei-Cheng Yang**, Cheng-Ming Chuong, and Ping Wu*. 2023 Molecular and Cellular Characterization of Avian Reticulate Scales Implies the Evo–Devo Novelty of Skin Appendages in Foot Sole. *Journal of Developmental Biology* 11, 3: 30.
 4. Chen-Yi Su, Tzu-Yu Liu, Hao-Ven Wang*, and **Wei-Cheng Yang***. 2023 Histopathological Study on Collagen in Full-Thickness Wound Healing in Fraser's Dolphins (*Lagenodelphis hosei*). *Animals* 2023. 13, 1681
 5. Wong, C.-H.; Tsai, M.-A.; Ko, F.-C.; Wang, J.-H.; Xue, Y.-J.; **Yang, W.-C***. Skin 2023 Cortisol and Acoustic Activity: Potential Tools to Evaluate Stress and Welfare in Captive Cetaceans. *Animals* 2023, 13, 1521.
Ho, Y.; Wu, P.-Y.; Chou, L.-S.; **Yang, W.-C***. Skin Marks in Critically Endangered 2023 Taiwanese Humpback Dolphins (*Sousa chinensis taiwanensis*). *Animals* 2023, 13, 608.
 6. Chen-Yi Su, Hao-Ven Wang, Michael W. Hughes, Tzu-Yu Liu, Cheng-Ming Chuong and Wei-Cheng Yang*. 2022 Successful Repigmentation of Full-Thickness Wound Healing in Fraser's Dolphins (*Lagenodelphis hosei*). *Animals*, 12, 1482.
 7. Chen-Yi Su, Michael W. Hughes, Tzu-Yu Liu, Cheng-Ming Chuong, Hao-Ven Wang, and Wei-Cheng Yang*. 2022 Defining Wound Healing Progression in Cetacean Skin: Characteristics of Full-Thickness Wound Healing in Fraser's Dolphins (*Lagenodelphis hosei*). *Animals*, 12, 537.
 8. Meng-Jung Hsieh and Wei-Cheng Yang*. 2022 A Field-Deployable Insulated Isothermal PCR (iiPCR) for the Global Surveillance of *Toxoplasma gondii* Infection in Cetaceans. *Animals*, 12, 506.
 9. Wen-Ta Li, Lien-Siang Chou, Hue-Ying Chiou, I-Hua Chen, Wei-Cheng Yang*. 2021 Analyzing 13 years of cetacean strandings: multiple stressors to cetaceans in Taiwanese waters and their implications for conservation and future research. *Frontiers in Marine Science*, 8:606722.
 10. Wei-Cheng Yang*, Lien-Siang Chou, Chi-Fang Chen, Yee Chien Chuah, Chun-Ru Zhuang, I-Hua Chen, T. Aran Mooney, Jeff Stott, Myra Blanchard and I-Fan Jen. 2021 Anthropogenic sound exposure-induced stress in captive dolphins and implications for cetacean health. *Frontiers in Marine Science*. 8, 606736.
 11. I-Hua Chen, Lien-Siang Chou, Shih-Jen Chou, Jiann-Hsiung Wang, Jeffrey Stott, Myra Blanchard, I-Fan Jen, **Wei-Cheng Yang***. 2018 Sound exposure-induced cytokine gene transcript profile changes in captive bottlenose dolphin (*Tursiops truncatus*) blood identified by a probe-based qRT-PCR. *Journal of Veterinary Medical Science* 80: 601-605.

12. Wen-Ta Li, Hui-Wen Chang, Meng-Hsien Chen, Hue-Ying Chiou, Bang-Yeh Liou, Victor Fei Pang, **Wei-Cheng Yang***, Chian-Ren Jeng*. 2018 Investigation of silver (Ag) deposition in tissues from stranded cetaceans by autometallography (AMG). *Environmental Pollution* 235: 534-545.
13. **Wei-Cheng Yang**, Bi-Jhen Wu, Eva Sierra, Antonio Fernandez, Kátia R. Groch, José Diaz. 2016 A simultaneous diagnosis and genotyping method for global surveillance of cetacean morbillivirus. *Scientific Reports*.6:30625(SCI)
14. I-Hua Chen, Lien-Siang Chou, Shih-Jen Chou, Jiann-Hsiung Wang, Jeffrey Stott, **Wei-Cheng Yang***. 2015 Selection of suitable reference genes for normalization of quantitative RT-PCR in peripheral blood samples of bottlenose dolphins (*Tursiops truncatus*). *Scientific Reports*.5:15425(SCI)
15. **Wei-Cheng Yang**, Wei-Lung Chang, Ka-Hei Kwong, Yi-Ting Yao, Lien-Siang Chou. 2013 Prevalence of Epidermal Conditions in Critically Endangered Indo-Pacific Humpback Dolphins (*Sousa chinensis*) from the Waters of Western Taiwan. *Pakistan Veterinary Journal* 33(4): 505-509. (SCI)
16. Chieh Lo, Li-Te Chin, Chi-Shih Chu, Yu-Ting Wang, Kun-Wei Chan, **Wei-Cheng Yang***. 2013 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)
17. **Yang, W.C.**, Chou, L.S., Jepson, P. D., Brownell, R.L., Cowan, D., Chang, P.H., Chiou, H.I., Yao, C.J., Yamada, T.K., Chiu, J.T., King, S.S., Wang, B.J., and Fernández, A.. 2008 Unusual cetacean mortality event in Taiwan, possibly linked to naval activities. *Veterinary Record* 162:184-186, 2008. (SCI)
18. **Wei-C. Yang** , Victor F. Pang , Chian-R Jeng , Lien-S. Chou , Ling-L. Chueh . 2006 Morbilliviral infection in a pygmy sperm whale (*Kogia breviceps*) from Taiwanese waters. *Veterinary Microbiology* 116: 69–76, 2006.