



Ou, Shan-Chia

Associate Professor

Professional Specialty: Poultry diseases, Poultry vaccines, Pathogen detection

Courses Taught: Veterinary Immunology, Poultry Diseases

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Educational Background

- Ph. D., Auburn University, USA
- MS, Department of Veterinary Medicine, National Chung Hsing University, Taiwan
- BS, Department of Veterinary Medicine, National Chung Hsing University, Taiwan

Professional Career

- Associate Professor, Graduate Institute of Microbiology & Public Health, National Chung Hsing University, Taiwan
- Assistant Professor, Graduate Institute of Microbiology & Public Health, National Chung Hsing University, Taiwan
- Postdoctoral Research Fellow, Department of Basic Science, Mississippi State University, USA

Research Interests

1. Epidemiology and pathogenicity of emerging zoonotic diseases
2. Detection, diagnosis, and prevention of poultry diseases
3. Development of poultry vaccines and vaccine efficacy assessment

Selected Publications

1. Y-C Liu, G-R Liao, AY Tsai, C-Y Tseng, C-Y Kuan, R-S Tsai, RA Albrecht, R-L Kuo, I-C Cheng, W-T Liang, **S-C Ou***, W-L Hsu*. 2023. NS2 is a key determinant of compatibility in reassortant avian influenza virus with heterologous H7N9-derived NS segment. *Virus Research* 324:190028.
2. C-Y Kuan, **S-C Ou**, C-C Chang, P-L Kao, R-S Tsai, P Rattanapanadda, T-L Lin, K Maeda, T-L Cheng, Y-J Lee, S-T Chung, S-L Lin, H-Y Liu, F-Y Lin, J-W Lin, W-L Hsu, C-C Chou. 2023. Epidemiology of severe fever with thrombocytopenia syndrome in dogs and cats in Taiwan. *Viruses* 15:2338.
3. Y-T Chung, C-Y Kuan, G-R Liao, RA Albrecht, Y-Y Tseng, Y-C Hsu, **S-C Ou***, W-L Hsu*. 2022. A variant NS1 protein from H5N2 avian influenza virus suppresses PKR activation and promotes replication and virulence in mammals. *Emerging Microbes & Infections* 11(1):2291- 2303.

4. K-P Li, Y-C Hsu, C-A Lin, P-C Chang, J-H Shien, H-Y Liu, H Yen*, **S-C Ou***. 2021. Molecular characterization and pathogenicity of the novel recombinant Muscovy duck parvovirus isolated from geese. *Animals* 11:3211.
5. T-L Lin, **S-C Ou**, K Maeda, H Shimoda, J P-W Chan, W-C Tu, W-L Hsu, C-C Chou. 2020. The first discovery of severe fever with thrombocytopenia syndrome virus in Taiwan. *Emerging Microbes & Infections* 9(1): 148-151.