



## Ou, Shan-Chia

**Associate Professor**

**Professional specialty:** Virology, Immunology, Vaccine development

**Courses Taught:**

- Undergraduate: Veterinary Immunology, Poultry Diseases
- Graduate: Advanced Microbiology, Cellular Immunology

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### Educational Background

PhD, Auburn University (2010)

MS, National Chung Hsing University, Veterinary Medicine (2003)

BS, National Chung Hsing University, Veterinary Medicine (2001)

### Current Position and Professional Career

Associate Professor, Graduate Institute of Microbiology & Public Health, College of Veterinary Medicine, National Chung Hsing University (2019-present)

Assistant Professor, Graduate Institute of Microbiology & Public Health, College of Veterinary Medicine, National Chung Hsing University (2013-2019)

Postdoctoral Fellow, Department of Basic Sciences, College of Veterinary Medicine, Mississippi State University (2010-2011)

### Research Interest

- Rapid diagnosis of animal pathogens
- Development of poultry vaccines
- Pathogenesis of poultry diseases

### Selected Publications

1. S.-Y. Liu, K.-P. Li, M.-K. Hsieh, P.-C. Chang, J.-H. Shien, **S.-C. Ou\***. 2019. Prevalence and genotyping of Chlamydia psittaci from domestic waterfowl, companion birds, and wild birds in Taiwan. *Vector-Borne and Zoonotic Diseases* (In Press).
2. **S.-C. Ou**, H.-L. Lin, P.-C. Liu, H.-J. Huang, M.-S. Lee, Y.-Y. Lien\*, Y.-L. Tsai.\* 2018. Epidemiology and molecular characterization of chicken anaemia virus from commercial and native chickens in Taiwan. *Transboundary and Emerging Diseases* 65(6):1493-1501.
3. T. Rairat, **S.-C. Ou**, S.-K. Chang, K.-P. Li, T.W. Vickroy, C.-C. Chou\*. 2017. Plasma pharmacokinetics and tissue depletion of cyromazine and its metabolite melamine following oral administration in laying chickens. *Journal of Veterinary Pharmacology and Therapeutics* 40(5):459-467.
4. C.-C. Liu, **S.-C. Ou**, D.-H. Tan, M.-K. Hsieh, J.-H. Shien, P.-C. Chang\*. 2016. The

fimbrial protein is a virulence factor and potential vaccine antigen of *Avibacterium paragallinarum*. *Avian Diseases* 60(3): 649-655.

5. T.-Y. Yen, K.-P. Li, **S.-C. Ou**, J.-H. Shien, H.-M. Lu, P.-C. Chang\*. 2015. Construction of an infectious plasmid clone of Muscovy duck parvovirus by TA cloning and creation of a partially attenuated strain. *Avian Pathology* 44(2):124-128.
6. T.-Y. Tu, M.-K. Hsieh, D.-H. Tan, **S.-C. Ou**, J.-H. Shien, T.-Y. Yen, P.-C. Chang\*. 2015. Loss of the capsule increases the adherence activity but decreases the virulence of *Avibacterium paragallinarum*. *Avian Diseases* 59(1):87-93.
7. Y.-P. Wang, M.-K. Hsieh, D.-H. Tan, J.-H. Shien, **S.-C. Ou**, C.-F. Chen, P.-C. Chang\*. 2014. The haemagglutinin of *Avibacterium paragallinarum* is a trimeric autotransporter adhesin that confers haemagglutination, cell adherence and biofilm formation activities. *Veterinary Microbiology* 174(3-4):474-482.