



## Chia, Min-Yuan

### Associate Professor

**Professional Specialty:** Animal Histology, Disease of Swine, Veterinary Pathology, Infectious Diseases of Domestic Animals

#### Courses Taught:

Undergraduate : Veterinary Histology, Lab of Veterinary Histology, Infectious Diseases of Domestic Animals, Veterinary Public Health, Hygiene of Domestic Animals and Fowls,

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### Educational Background:

Ph.D., School of Veterinary Medicine, National Taiwan University, Taiwan

MS, School of Veterinary Medicine, National Taiwan University, Taiwan

BS, Department of Veterinary Medicine, National Chung Hsing University, Taiwan

### Professional Career:

Postdoctoral Research Fellow, National Institute of Infectious Diseases and Vaccinology, National Health Research Institutes, Taiwan (2011/11 – 2016/07)

Adjunct Assistant Professor, Department of Veterinary Medicine, Collage of Veterinary Medicine, National Pingtung University of Science and Technology, Taiwan (2015/02 – 2015/07)

Research Associate, National Institute of Infectious Diseases and Vaccinology, National Health Research Institutes (2002/09 – 2003/09)

### Honors

Best paper award of Chinese Society of Veterinary Science (2012)

Excellent Paper award of School of Veterinary Medicine, National Taiwan University (2011)

Excellent Paper award of School of Veterinary Medicine, National Taiwan University (2010)

### Research Interests

- Epidemiological investigation, pathogenic mechanism, histopathological diagnosis and molecular biological diagnosis in swine disease
- Development of DNA vaccine and transgenic plant-based oral vaccine for Porcine respiratory and reproductive syndrome virus
- Development of human H7N9 and H5N2 influenza vaccines
- Development of Enterovirus 71 vaccine

### Patents

1. Production of oral vaccine for porcine reproductive and respiratory syndrome virus in plants and uses therefore. Republic of China Number: I391487.
2. Composition and preparation method for oral vaccine of porcine reproductive and respiratory syndrome virus. China Number: ZL201010193569.6.

### References

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2. Ma, L.-Y., Heng, H.-G., **Chia, M.-Y.**, Cheng, F.-P., Lin, C.-C., Chen, K.-S. Ultrasonographic appearance of pseudo-placental endometrial hyperplasia in a dog. Vet Radiol Ultrasound, Online ahead of print. 2020 [SCI].
3. Hou, F.-H., **Chia, M.-Y.**, Liao, J.-W., Chung, H.-P., Lee, W.-C. Efficacy of fungal

- immunomodulatory protein to promote swine immune responses against porcine reproductive and respiratory syndrome virus infection. *Vet Immunol Immunopathol*, Online ahead of print. 2020 [SCI].
4. Hou, F.-H., Lee, W.-C., Liao, J.-W., Chien, M.-S., Kuo, C.-J., Chung, H.-P., **Chia, M.-Y.** Evaluation of a type 2 modified live porcine reproductive and respiratory syndrome vaccine against heterologous challenge of a lineage 3 highly virulent isolate in pigs. *Peer J*, 8:e8840. 2020 [SCI].
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  8. Lin, T.-H., **Chia, M.-Y.**, Lin, C.-Y., Yeh, Y.-Q., Jeng, U.-S., Wu, W.-G., Lee, M.-S. Improving immunogenicity of influenza virus H7N9 recombinant hemagglutinin for vaccine development. *Vaccine*, 22:1897-1903. 2019 [SCI].
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  10. **Chia, M.-Y.**, Hu, A.-Y.-C., Tseng, Y.-F., Weng, T.-C., Lai, C.-C., Lin, J.-Y., Chen, P.-L., Wang, Y.-F., Chao, S.-R., Chang, J.-Y., Hwang, Y.-S., Yeh, C.-T., Yu, C.-P., Chen, Y.-C., Su, I.-J., and Lee, M.-S. Evaluation of MDCK cell-derived influenza H7N9 vaccine candidates in ferrets. *PLoS One*. 10(3):e0120793. 2015 [SCI].
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  13. Chan, H.-T., **Chia, M.-Y.**, Pang, V.-F., Jeng, C.-R., Do, Y.-Y., and Huang, P.-L. Oral immunogenicity of porcine reproductive and respiratory syndrome virus antigen expressed in transgenic banana. *Plant Biotechnol J*. 11:315-324. 2013 [SCI].
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