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Research interest:

My research focuses on the clinical diagnostic virology, the pathogenesis of enterovirus 71 in animal models and the glycan binding specificities of influenza virus.

Publications:

1. Lim M. C.Y., [†] Wang Ya-Fang, [†] Huang S. W., Yang J. Y., Wang J. R.*. High incidence of mammalian orthoreovirus identified by environmental surveillance in Taiwan. *Microbes and Environments. PLoS One*. 2015 Nov 10;10(11):e0142745.
2. Su PY, Wang Ya-Fang, Huang SW, Lo YC, Wang YH, Wu SR, Shieh DB, Chen SH, Wang JR, Lai MD, Chang CF*. Cell surface nucleolin facilitates enterovirus 71 binding and infection. *J Virol*. 2015 Apr 15;89(8):4527-38.
3. Wang Ya-Fang, Yu CK*. Animal models of enterovirus 71 infection: applications and limitations. *J Biomed Sci*. 2014 Apr 17;21:31. Review.
4. Thoa le PK, Chiang PS, Khanh TH, Luo ST, Dan TN, Wang Ya-Fang, Thuong TC, Chung WY, Hung NT, Wang JR, Nhan le NT, Thinh le Q, Su IJ, Dung TD, Lee MS*. Genetic and antigenic characterization of enterovirus 71 in Ho Chi Minh City, Vietnam, 2011. *PLoS One*. 2013 Jul 29;8(7):e69895.
5. Wang Ya-Fang, C. F. Chang, C. Y. Chi, H. C. Wang, J. R. Wang, I. J. Su*. Characterization of glycan binding specificities of Influenza B viruses with correlation with hemagglutinin genotypes and clinical features. *J Med Virol*. 2012 Apr;84(4):679-85.
6. Wang Ya-Fang, W. I. Lao, Y. D. Kuo¹, S. Y. Guu, H. C. Wang, C. H. Lin, J. R. Wang, I. J. Su, C. F Chang*. Receptor binding surveillance of influenza clinical isolates. *Future Virol* 2012; 7(6): 621-633.
7. Huang, S. W., Wang Ya-Fang, C. K. Yu, I. J. Su, J. R. Wang*. Mutations in VP2 and VP1 capsid proteins increase infectivity and mouse lethality of enterovirus 71 by virus binding and RNA accumulation enhancement. *Virology* 2012 Jan 5;422(1):132-43.