



Shyan-Song Chiou

Distinguished Professor

Professional specialty: Arboviruses

Tel: 04-22840695

E-mail: sschiou@dragon.nchu.edu.tw

Education background & professional career:

1991.9-1995.7 B.S.	Public Health	National Taiwan University
1995.9-2001.7 Ph.D.	Epidemiology	National Taiwan University
2003.4-2004.1	Postdoc	Chang Gung University
2004.2-2005.7	Assistant Professor	National Chia-Yi University
2005.7-2005.9	Guest Researcher	Academia Sinica
2005.8-2009.1	Assistant Professor	National Chung Hsing University
2006.7-2006.10	Guest Researcher	CDC, USA
2008.6-2008.9	Guest Researcher	CDC, USA
2009.2-2013.7	Associate Professor	National Chung Hsing University
2013.8-present	Professor	National Chung Hsing University
2010.7-2011.2	Guest Researcher	CDC, USA

Honors:

Outstanding Young Faculty Award/National Chung-Hsing University (2008, 2015)
Outstanding Young Scholar Award (Huaibu Award)/National Chung Hsing University (2013)
Outstanding General Education Teacher Award/National Chung Hsing University (2017)
Distinguished Professor, National Chung-Hsing University (2018.8-2020.7 and 2020.8-2022.7)

Selected Publications:

1. Fan YC, Liang JJ, Chen JM, Lin JW, Chen YY, Su KH, Lin CC, Tu WC, Chiou MT, Ou SC, Chang GJ, Lin YL, **Chiou SS. 2019.** Enhancement of genotype I Japanese encephalitis virus infectivity in amplifying Hosts associated with NS2B/NS3 mutations. *PLoS Pathogens*. 5(8):e1007992. (IF=6.463, Rank: 3/36)
2. Fan YC, Chen JM, Lin JW, Chen YY, Wu GH, Su KH, Chiou MT, Wu SR, Yin JH, Liao JW, Chang GJJ, **Chiou SS. 2018.** Genotype I of Japanese Encephalitis Virus Virus-like Particles Elicit Sterilizing Immunity against Genotype I and III Viral Challenge in Swine. *Scientific Reports*. 8:7481. (IF=4.011, Rank: 15/69)
3. Fan YC, Lin JW, Liao SY, Chen JM, Chen YY, Chiu HC, Shih CC, Chen CM, Chang RY, King

- CC, Chen WJ, Ko YT, Chang CC, and **Chiou SS***. 2017. Virulence of Genotypes I and III Japanese Encephalitis Virus in Humans. *Emerging Infectious Diseases*. 23(11):1883-1886. (IF=7.422, Rank: 4/88)
4. Chen JM, Fan YC, Lin JW, Chen YY, Hsu WL, **Chiou SS**. 2017. Bovine Lactoferrin Inhibits Dengue Virus Infectivity by Interacting with Heparan Sulfate, Low-Density Lipoprotein Receptor, and DC-SIGN. *Int J Mol Sci*. 18(9). pii: E1957. (IF=4.183, Rank: 78/298)
 5. Fan YC, Chiu HC, Chen LK, Chang GJJ, and **Chiou SS***. 2015. Formalin inactivation of Japanese encephalitis virus vaccine alters the antigenicity and immunogenicity of a neutralization epitope in envelope protein domain III. *PLoS Neglected Tropical Diseases*. 9(10): e0004167. (IF=4.487, Rank: 1/21)
 6. Chen YY, J.W. Lin, Y.C. Fan, and **Chiou SS*** 2014. Detection and Differentiation of Genotype I and III Japanese Encephalitis Virus in Mosquitoes by Multiplex Reverse Transcriptase-Polymerase Chain Reaction. *Transboundary and Emerging Diseases*. 61(1): 37-43. (IF=3.554, Rank: 2/141)
 7. Fan YC, Chen JM, Chen YY, Lin JW, **Chiou SS*** 2013. Reduced neutralizing antibody titer against genotype I virus in swine immunized with a live-attenuated genotype III Japanese encephalitis virus vaccine. *Vet Microbiol*. 163(3-4): 248-56. (IF=2.791, Rank: 7/141)
 8. Chen YY, Lin JW, Fan YC, Tu WC, Chang GJ, **Chiou SS*** 2013. First detection of the Africa/Caribbean/Latin American subtype of Culex flavivirus in Asian country, Taiwan. *Comp Immunol Microbiol Infect Dis*. 36(4): 387-96. (IF=2.107, Rank: 12/132)
 9. Fan YC, J.M. Chen, H.C. Chiu, Y.Y. Chen, J.W. Lin, C.C. Shih, C.M. Chen, C.C. Chang, G.J.J. Chang, and **Chiou SS***. Partially Neutralizing Potency against Emerging Genotype I Virus among Children Received Formalin-Inactivated Japanese Encephalitis Virus Vaccine. *PLoS Neglected Tropical Diseases*. 2012; 6(9):e1834-1843. (IF=4.569, Rank: 1/22)
 10. **Chiou SS**, Fan YC, Crill WD, Chang RY, and Chang GJ. (2012). Mutation Analysis of the Cross Reactive Epitopes of Japanese Encephalitis Virus Envelope Glycoprotein. *Journal of General Virology* 93:1185-1192. (IF=3.127, Rank: 11/34)
 11. Chen YY, Fan YC, Tu WC, Chang RY, Shih CC, Lu IH, Chien MS, Lee WC, Chen TH, Chang GJ, **Chiou SS*** (2011). Japanese encephalitis virus genotype replacement, Taiwan, 2009-2010. *Emerging Infectious Diseases*. 17(12):2354-6. (IF=7.185, Rank: 5/89)