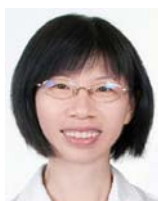


<Curriculum vitae>

WEN-CHI SU, 蘇文琪



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Education

Ph.D. in Molecular Medicine	National Taiwan University, Taiwan	2004
M.S. in Biochemistry	National Cheng Kung University, Taiwan	1997
B.S. in Chemistry	National Taiwan University, Taiwan	1995

Professional Positions

1997-1998	Research assistant; Institute of Biomedical Science, Academia Sinica
2005-2007	Leader of the lentivirus production group; National RNAi Core Facility
2005 Nov.-2006 May	Visiting Scientist; Broad Institute, MIT and Harvard, USA
2007-2011	Distinguished & Regular Postdoctoral Fellow; Institute of Molecular Biology, Academia Sinica
2012-date	Assistant Researcher, Research Center for Emerging Viruses, CMUH
2014-date	Assistant Professor, Graduate Institute of Clinical Medical Science, China Medical University (CMU)

Research Interest

eukaryotic gene regulation

post-translational protein modification

high-throughput RNAi screening

virus-host interactions

Academic Honors and Awards

- 1st award, "Intramural exhibition of research achievement by graduate students and research assistants", Institute of Biological Chemistry, Academia Sinica, 2004
- Distinguished & Regular Postdoctoral Fellow, Academia Sinica, 2007-2011
- the best poster award, "International Conference on Influenza", London, UK, 2015

Publications

1. **Su W.C.**, Hsu S.F., Lee Y.Y., Jeng K.S., Lai M.M.*. (2015). A Nucleolar Protein, Ribosomal RNA Processing 1 Homolog B (RRP1B), Enhances the Recruitment of Cellular mRNA in Influenza Virus Transcription.. *Journal of Virology*. 89:11245-55
2. Hsu S.F., **Su W.C.**, Jeng K.S., Lai M.M.* (2015). A Host Susceptibility Gene, DR1, Facilitates Influenza A Virus Replication by Suppressing Host Innate Immunity and Enhancing Viral RNA Replication.. *Journal of Virology*. 89:3671-82
3. Chou Y.C., Lai M.M., Wu Y.C., Hsu N.C., Jeng K.S., **Su W.C.*** (2015). Variations in genome-wide RNAi screens: lessons from influenza research.. *Journal of Clinical Bioinformatics*. 5:2.
4. Chen Y.J., Chi C.W., **Su W.C.**, Huang H.L. (2014, Jul). Lapatinib induces autophagic cell death and inhibits growth of human hepatocellular carcinoma.. *Oncotarget*. 5:4845-54.
5. **Su W.C.**, Chen Y.C., Tseng C.H., Hsu P.W., Tung K.F., Jeng K.S., Lai M.M.. (2013) Pooled RNAi screen identifies ubiquitin ligase Itch as crucial for influenza A virus release from the endosome during virus entry. *Proc Natl Acad Sci U S A*. 110:17516-21.
6. Huang J.Y., **Su W.C.**, Jeng K.S., Chang T.H., Lai M.M.. (2012) Attenuation of 40S ribosomal subunit abundance differentially affects host and HCV translation and suppresses HCV replication. *PLoS Pathog*. 8:e1002766
7. Chao T. C., **Su W. C.**, Huang J. Y., Chen Y. C., Jeng K. S., Wang H. D. and Lai M. M..(2012) PSTPIP2, Proline- Serine-Threonine Phosphatase Interacting Protein 2, a Host Membrane-Deforming Protein, is critical for Membranous Web Formation in Hepatitis C Virus replication. *J. Virol*. 86:1739-49.
8. Chen C. H., **Su W. C.**, Chen C. Y., Huang J. Y., Tsai F. Y., Wang W. C., Hstung C. A., Jeng K. S and Chang I. S. (2012) A Bayesian measurement error model for two-channel cell-based RNAi data with replicates. *Annals. Applied. Statistics*. 6:356-382.
9. **Su W. C.**, Chao T. C., Huang, Y. L., Weng S. C., Jeng K. S. and Lai M. M..(2011) Rab5 and Class III PI-3-Kinase Vps34 Are Involved in Hepatitis C Virus NS4B-

Induced Autophagy. *J. Virol.* 85:10561-71.

10. Lo Y. C., **Su W. C.**, Ko T. P., and Wang AH. (2011) Terpyridine platinum(II) complexes inhibit cysteine proteases by binding to active-site cysteine. *J. Biomol. Struct. Dyn.* 29:267-82.

11. Liao T.L., Wu C.Y., **Su W.C.**, Jeng K.S., and Lai M.M.. (2010) Ubiquitination and deubiquitination of NP protein regulates influenza A virus RNA replication. *EMBO J.* 29:3879-3890.

12. Chen Y. C., **Su W. C.**, Huang J. Y., Chao T. C., Jeng K. S., Machida K. and Lai M. M.. (2010) Polo-like kinase I is involved in Hepatitis C virus replication by hyperphosphorylating NS5A *J. Virol.* 84:7983-93.

13. Lo Y. C., Ko T. P., **Su W. C.**, Su T.L., Wang AH. (2009) Terpyridine-platinum(II) complexes are effective inhibitors of mammalian topoisomerases and human thioredoxin reductase 1 *J. Inorg. Biochem.* 103:1082-92.

14. **Su W. C.**, Chou H. Y., Chang C. J., Lee Y M., Chen W. H., Huang K. H., Lee M. Y., and Lee S. C. (2003) Differential activation of a C/EBP β isoform by a novel redox switch may confer the lipopolysaccharide inducible expression of interleukin-6 gene. *J. Biol. Chem.* 278:51150-51158.

15. Lin M. T., **Su W. C.**, Cheng M. L., Cheng K. S., Cheng W. C., Wing L. Y. C., and Wu H.L. (1999) The various effects of fractionated oxidized low density lipoproteins on the growth of smooth muscle cells in culture. *J. Biomed. Sci.* 6:260-268.

Conference

1. 7th Asian conference on transcription, July 2002, Malaysia. Poster presentation
2. The RNAi consortium meeting, Dec 2005 and April 2006, Massachusetts, USA
3. High content screening 101 training course, Pittsburgh, March 2006
4. 14th international symposium on HCV and related viruses, Sep 2007, Scotland UK.
Poster presentation
5. 17th international meeting on HCV and related viruses, Sep 2010, Yokohama, Japan. Poster presentation
6. International conference on Influenza, Aug 2015, London UK, Poster presentation

RESEARCH SUPPORT

1. Identification and characterization of the host factors crucial for influenza A viral

transcription. (NT 3,000,000; MOST 103-2320-B-039-013-MY2; 08/01/2014~07/31/2016)

2. Ubiquitination of Influenza matrix protein 2 regulates influenza A virus release. (NT 3,636,000; MOST 105-2628-B-039-006-MY3; 08/01/2016~07/31/2019)