

BIOGRAPHICAL SKETCH

NAME YA-FANG CHIU	POSITION TITLE ASSISTANT PROFESSOR
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EDUCATION

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Chang-Gung University, Taiwan	Ph.D.	2004-2008	Microbiology
Chang-Gung University, Taiwan	M.S.	2001-2003	Microbiology
Chang-Gung University, Taiwan	B.S.	1997-2001	Medical Laboratory Science and Biotechnology

CONTACT INFORMATION

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A. Positions and Honors:

Assistant Professor, Department of Immunology and Microbiology, Chang-Gung University, Taoyuan, Taiwan 2016-present

Assistant Professor, Research Center for Emerging Viral Infections, Chang-Gung University, Taoyuan, Taiwan 2016-present

Assistant Professor, Department of Medical Laboratory, Chang Gung Memorial Hospital, Taoyuan, Taiwan 2016-present

Professional activities:

Assistant Scientist, Morgridge Institute for Research, USA 2014-2016

Researcher, McArdle Laboratory, University of Wisconsin-Madison, USA 2014

Postdoctoral Researcher, McArdle Laboratory, University of Wisconsin-Madison, USA 2009-2014

Postdoctoral Researcher, Department of Immunology and Microbiology, Chang-Gung University, Taiwan 2008-2009

Research Assistant, Department of Immunology and Microbiology, Chang-Gung University, Taiwan 2003-2004

Honors:

Recruited Outstanding Researcher, The Ministry of Science and Technology 2016-2018

Scholarship, The 39th International Herpesvirus Workshop, 2014

Certified Medical Technologist, Higher Examination 2001

Certified Medical Technologist 2001

Honorary Member, The Phi Tai Phi Scholastic Honor Society of the Republic of China 2001

College Student Research Award, National Science Council 2000

B. Publications

- Ya-Fang Chiu and Bill Sugden.** Plasmid-Partitioning by Human Tumor Viruses 2018 *Journal of Virology* doi: 10.1128/JVI.02170-17 (SCI: 4.663)
- Ya-Fang Chiu, Arthur U. Sugden, Kathryn Fox, Mitchell Hayes, and Bill Sugden.** Kaposi's Sarcoma-associated Herpesvirus (KSHV) stably clusters its genomes across generations to maintain itself extrachromosomally. *Journal of Cell Biology* 2017; 216 doi: 10.1083/jcb.201702013 (SCI: 7.955)
- Ya-Fang Chiu and Bill Sugden.** Epstein-Barr Virus' Path from Latent to Productive Infection. *Annual Review of Virology* 2016; 3:359-72 (SCI: 4.143) doi: 10.1146/annurev-virology-110615-042358
- Reza Djavadian, Ya-Fang Chiu, and Eric Johannsen.** An Epstein-Barr Virus-Encoded Protein Complex Requires an Origin of Lytic Replication in cis to Mediate Late Gene Transcription. *PLOS Pathogens* 2016; 12 (6): e1005718. doi:10.1371/journal.ppat.1005718 (SCI: 6.608)
- Denis Lee, Kathryn Norby, Mitchell Hayes, Ya-Fang Chiu, Bill Sugden, Paul F. Lambert.** Using Organotypic Epithelial Tissue Culture to Study the Human Papillomavirus Life Cycle. *Current Protocols in Microbiology* 2016; 41: 14B.8.1-14B.8.19. doi: 10.1002/cpmc.4.
- Kathleen R. Makielski, Denis Lee, Laurel D. Lorenz, Dhananjay M. Nawandar, Ya-Fang Chiu, Shannon C. Kenney, Paul F. Lambert.** Human Papillomavirus Promotes Epstein-barr Virus Maintenance

- and Lytic Reactivation in Oral Keratinocytes. *Virology* 2016; 495: 52-62. doi: 10.1016/j.virol.2016.05.005 (SCI: 3.353)
7. **Chien-Hui Hung, Lee-Wen Chen, Wen-Hung Wang, Pey-Jium Chang, Ya-Fang Chiu, Chen-Chia Hung, Ying-Ju Lin, Jieh-Yuan Liou, Wen-Ju Tsai, and Shih-Tung Liu.** Regulation of Autophagic Activation by Rta of Epstein-Barr Virus via ERK-kinase Pathway. *Journal of Virology* 2014; 88:12133-45. doi: 10.1128/JVI.02033-14. (SCI: 4.439)
 8. **David T. Vereide, Eri Seto, Ya-Fang Chiu, Mitchell Hayes, Takanobu Tagawa, Adam Grundhoff, Wolfgang Hammerschmidt, and Bill Sugden.** Epstein-Barr Virus Maintains Lymphomas Via Its miRNAs. *Oncogene* 2014; 33:1258-64. doi: 10.1038/onc.2013.71. (SCI: 8.459)
 9. **Ya-Fang Chiu, Arthur U. Sugden, and Bill Sugden.** Epstein-Barr Viral Productive Amplification Reprograms Nuclear Architecture, DNA Replication and Histone Deposition. *Cell Host & Microbes* 2013; 14:607-18. doi: 10.1016/j.chom.2013.11.009. (SCI: 12.194)
 10. **Malika Kuzembayeva, Ya-Fang Chiu, and Bill Sugden.** Comparing Proteomics and RISC Immunoprecipitations to Identify Targets of Epstein-Barr Viral miRNAs. *PLoS One* 2012; 7:e47409. doi: 10.1371/journal.pone.0047409. (SCI: 3.730)
 11. **Kathryn Norby, Ya-Fang Chiu, and Bill Sugden.** Monitoring Plasmid Replication in Live Mammalian Cells over Multiple Generations by Fluorescence Microscopy. *Journal of Visualized Experiments* 2012; (70): e4305. doi: 10.3791/4305. (SCI: 1.325)
 12. **Ya-Fang Chiu, Bill Sugden, Pey-Jium Chang, Lee-Wen Chen, Ying-Ju Lin, Yu-Ching Lan, Chih-Ho Lai, Jieh-Yuan Liou, Shih-Tung Liu, and Chien-Hui Hung.** Characterization and Intracellular Trafficking of Epstein-Barr Virus BBLF1, A Protein Involved in Virion Maturation. *Journal of Virology* 2012; 86:9647-55. doi: 10.1128/JVI.01126-12. (SCI: 5.076)
 13. **Ching-Yi Yiu, Shih-Ying Chen, Li-Kwan Chang, Ya-Fang Chiu, and Tsuey-Pin Lin.** Inhibitory Effects of Resveratrol on the Epstein-Barr Virus Lytic Cycle. *Molecules* 2010; 15:7115-24. doi: 10.3390/molecules15107115. (SCI: 1.988)
 14. **Yu-Hsiu Lee, Ya-Fang Chiu, Wen-Hung Wang, Li-Kwan Chang, and Shih-Tung Liu.** 2008. Activation of the ERK Signal Transduction Pathway by Epstein-Barr Virus Immediate-early Protein Rta. *Journal of General Virology* 2008; 89(Pt 10):2437-46. doi: 10.1099/vir.0.2008/003897-0. (SCI: 3.092)
 15. **Ya-Fang Chiu, Chao-Ping Tung, Yu-Hsiu Lee, Wen-Hung Wang, Ching Li, Jia-Yan Hung, Chen-Yu Wang, Yasushi Kawaguchi, and Shih-Tung Liu.** A Comprehensive Library of Mutations of Epstein Barr Virus. *Journal of General Virology* 2007; 88(Pt 9):2463-72. (SCI: 3.120 *Molecules*)
 16. **Li-Kwan Chang, Ta-Tung Wei, Ya-Fang Chiu, Chao-Ping Tung, Jian-Ying Chuang, Shang-Kai Hung, Ching Li, and Shih-Tung Liu.** Inhibition of Epstein-Barr Virus Lytic Cycle by (–)-Epigallocatechin Gallate. *Biochemical and Biophysical Research Communications* 2003; 301:1062-8. (SCI: 2.836)

C. Conference Presentations

Invited speaker:

1. Invited speaker, *The 41st International Herpesvirus Workshop*, 2016

Oral presentation

17. **Ya-Fang Chiu, Arthur U. Sugden, Kathryn Fox, Mitchell Hayes, and Bill Sugden.** Identifying An Unprecedented Partitioning Mechanism for KSHV Genomes. *The 41st International Herpesvirus Workshop*, 2016
18. **Ya-Fang Chiu, Arthur U. Sugden, Kathryn Fox, Mitchell Hayes, and Bill Sugden.** Identifying An Unprecedented Partitioning Mechanism for KSHV Genomes. *18th International Workshop on KSHV and Related Agents*, 2015
19. **Ya-Fang Chiu, Arthur U. Sugden, and Bill Sugden** Epstein-Barr Viral Productive Amplification Reprograms Nuclear Architecture, DNA Replication and Histone Deposition. *The 39th International Herpesvirus Workshop*, 2014.

Poster

2. **Ya-Fang Chiu, Arthur U. Sugden, Kathryn Fox, Mitchell Hayes, and Bill Sugden.** KSHV Stably Clusters its Genomes Across Generations to Maintain Itself Extrachromosomally. *The 4th ASM Conference on Viral Manipulation of Nuclear Processes*, 2017
3. **Ya-Fang Chiu, Arthur U. Sugden, Kathryn Fox, Mitchell Hayes, and Bill Sugden.** Identifying An Unprecedented Partitioning Mechanism for KSHV Genomes. *The 41st International Herpesvirus Workshop*, 2016
4. **Ya-Fang Chiu, Arthur U. Sugden, and Bill Sugden** Epstein-Barr Viral Productive Amplification

Reprograms Nuclear Architecture, DNA Replication and Histone Deposition. *The 39th International Herpesvirus Workshop*, 2014

5. **David T. Vereide, Eri Seto, Ya-Fang Chiu, Mitchell Hayes, Adam Grundhoff, Wolfgang Hammerschmidt, and Bill Sugden** Epstein-Barr Virus Inhibits Caspase 3 via its miRNAs to Maintain Type I Burkitt's Lymphomas *The 15th International Symposium on EBV and associated diseases*, 2012
6. **Ya-Fang Chiu, Chien-Hui Hung, and Shih-Tung Liu.** The Role of BBLF1 protein in Epstein-Barr virus maturation, Host-Microbes Interactions symposium, *The Taiwan Society Biochemistry and Molecular Biology*, 2007
7. **Ya-Fang Chiu, Chao-Tung Tung, and Shih-Tung Liu.** Epstein-Barr Virus Mutants Generated with Tn5. *The 5th NHRI Conference on Tumor Associated Herpesviruses*, 2004
8. **Li-Kwan Chang, Ya-Fang Chiu, and Shih-Tung Liu.** Activation of the Immediate-Early Genes and Lytic Cycle of Epstein-Barr virus by Heat Shock. *The 4th NHRI Conference on Tumor Associated Herpesviruses, National health Research Institutes*, 2002
9. **Li-Kwan Chang, Ya-Fang Chiu, and Shih-Tung Liu.** Activation of the Immediate-Early Genes and Lytic Cycle of Epstein-Barr virus by Heat Shock, *American Society for Microbiology*, 2002

D. Research Support:

National Health Research Institute (NHRI-EX107-10623BI); PI	NT\$5,340,000	2017-2019
The Ministry of Science and Technology (MOST106-2320-B-182-036-MY3); PI	NT\$4,644,000	2017-2020
Chang Gung Medical Research Program (CMRPD1G0511); PI	NT\$3,300,510	2017-2019
Chang Gung Memorial Hospital Foundation (BMRPF14); PI		2016-Present
The Ministry of Science and Technology (MOST104-2320-B-182-034-MY2); Co-PI	NT1,370,000	2016-2017
The Ministry of Science and Technology (MOST-105-2320-B-182-033); PI	NT\$1,100,000	2016-2017