

BIOGRAPHICAL SKETCH

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NAME Jean Lu	POSITION TITLE Assistant Research Fellow		
eRA COMMONS USER NAME			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
National Taiwan University, Taipei, Taiwan	B.S.	1992	Medical Biotechnology
National Taiwan University, Taipei, Taiwan	M.S.	1994	Molecular Medicine,
National Taiwan University, Taipei, Taiwan	Ph.D	2000	Microbiology

A. Positions, Honors

Positions:

- 1994-1995 Research Assistant, Graduate Institute of Microbiology, College of Medicine, National Taiwan University
- 2001-2003 Postdoctoral Fellow, Graduate Institute of Microbiology, College of Medicine, National Taiwan University
- 2003-2007 Postdoctoral Fellow/Associate, Molecular, Department of Cellular, and Developmental Biology, Yale University, USA
- 2007, Apr-present Assistant Research Fellow, Genomics Research Center, Academia Sinica

Honors:

- 2003-2004 Ruth L. Kirschstein National Research Service Award Fellowship
- 2002 Outstanding Paper Award (2002) (National Taiwan University)

B. publications

Submitted

Lu, J., Hou R., Liu, Y. H. Booth, C. J., Lu, F. L., Snyder, M. An endogenous TNF signal is essential for human embryonic stem cell self-renewal.

Pre-reviewed

Chang Y, Lee, H.H., Chen, Y.T., Lu J., Wu, S.Y., Chen C.W., Takada K., Tsai, C.H. (2006) Induction of the early growth response 1 gene by Epstein-Barr virus lytic transactivator Zta. **J Virol** 80:7748-55.

Lu, J., Hou R., Booth, C. J., Yang, S-H., Snyder, M. (2006) Defined culture conditions of human embryonic stem cells. **PNAS** 103: 5688-93.

Lu, J., Lin, W. S., Chen, S. Y., Longnecker, R., and Tsai, C.H. (2006) Epstein-Barr virus latent membrane protein 2A enhances cell mobility in epithelial cells through syk kinase **J Biol Chem**, 281: 8806-14.

Lu, J., Chua, H. H., Chen, S. Y., Chen, J. Y., and Tsai, C. H. (2003) Regulation of matrix metalloproteinase-1 by Epstein-Barr virus proteins. **Cancer Res** 63:256-62.

Principal Investigator (Last, First, Middle): Lu, Jean.

- Chen, S.Y., **Lu, J.**, Shih, Y.C., and Tsai, C.H. (2002) Epstein-Barr virus latent membrane protein 2A regulates c-Jun protein through extracellular signal-regulated kinase. *J Virol* 76: 9556-61.
- Lu, J.**, Chen, S. Y., Chua, H. H., Liu, Y. S., Huang, Y. T., Chang, Y., Chen, J. Y., Sheen, T. S., and Tsai, C. H. (2000). Upregulation of tyrosine kinase TKT by the Epstein-Barr virus transactivator Zta. *J Virol* 74: 7391-9.
- Huang, Y. T., Sheen, T. S., Chen, C. L., **Lu, J.**, Chang, Y., Chen, J. Y., and Tsai, C. H. (1999). Profile of cytokine expression in nasopharyngeal carcinomas: a distinct expression of interleukin 1 in tumor and CD4+ T cells. *Cancer Res* 59: 1599-605.
- Chang, Y., Tung, C. H., Huang, Y. T., **Lu, J.**, Chen, J. Y., and Tsai, C. H. (1999). Requirement for cell-to-cell contact in Epstein-Barr virus infection of nasopharyngeal carcinoma cells and keratinocytes. *J Virol* 73: 8857-66.
- Chang, Y., Sheen, T. S., **Lu, J.**, Huang, Y. T., Chen, J. Y., Yang, C. S., and Tsai, C. H. (1998). Detection of transcripts initiated from two viral promoters (Cp and Wp) in Epstein-Barr virus-infected nasopharyngeal carcinoma cells and biopsies. *Lab Invest* 78: 715-26.
- Tsai, C. H., Liu, M. T., Chen, M. R., **Lu, J.**, Yang, H. L., Chen, J. Y., and Yang, C. S. (1997). Characterization of monoclonal antibodies to the Zta and DNase proteins of Epstein-Barr virus. *J Biomed Sci* 4: 69-77.

C.patent

1. Defined culture conditions of human embryonic stem cells. Lu, J and Snyder, M. US patent (pending)
2. Inhibition of teratoma formation in human embryonic stem cells Lu, J and Snyder, M. US patent (pending)