

NAME <b>Leeju C. Wu</b>		POSITION TITLE <b>Senior Research Scientist</b>	
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 Normal University, Taipei, St Louis University, St. Louis, MO	B.S. M.S.	1977 1982	Biology Biology

### Research and/or Professional Experience:

1983-1986 Research Technician, Washington University, St. Louis, MO  
1986-1989 Research Associate, Washington University Medical Center, St. Louis, MO  
1989-1991 Research Specialist in Life Science, University of Illinois, Urbana, IL  
1992-1993 Research Scientist, Promega Corporation, Madison, WI  
1993-1994 Research Associate, UT Southwestern Medical Center, Dallas, TX  
1994-1997 Senior Research Associate, UT Southwestern Medical Center, Dallas, TX  
1997-1999 Research Scientist, UT Southwestern Medical Center, Dallas, TX  
1999- Senior Research Scientist, UT Southwestern Medical Center, Dallas, TX

### Selected Publications:

Parks, W.C., Secrist, H., **Wu, L.C.**, and Mecham, R.P. (1988) Developmental regulation of tropoelastin isoforms. *J. Biol. Chem.* 263, 4416-4423.  
Parks, W.C., Whitehouse, L.A., **Wu, L.C.**, and Mecham, R.P. (1988) Terminal differentiation of nuchal ligament fibroblasts: characterization of synthetic properties and responsiveness to external stimuli. *Devel. Biol.* 129, 555-564.  
Crouch, E.C., Parks, W.C., Rosenbaum, J.L., Chang, D., Whitehouse, L., **Wu, L.C.**, Stenmark, K.R., Orton, E.C., and Mecham, R.P. (1989) Regulation of collagen production by medial smooth muscle cells in hypoxic pulmonary hypertension. *AM. Rev. Respir. Dis.* 140, 1045-1051.  
Grosso, L.E., Parks, W.C., **Wu, L.C.**, and Mecham, R. P. (1991) Fibroblast adhesion to recombinant tropoelastin expressed as a Protein A-fusion protein. *Biochem. J.* 273, 517-522.  
Parks, W.C., Roby, J. D., **Wu, L.C.**, and Grosso, L. E. (1992) Cellular expression of tropoelastin mRNA splice variants. *Matrix* 12(2), 156-162.  
Lazarowitz, S.G., **Wu, L.C.**, Rogers, S.G., and Elmer S.C. (1992) Sequence-specific interaction with the viral AL1 protein identifies a Geminivirus DNA replication origin. *The Plant Cell* 4, 799-809.  
McCormick, M., Mendoza, L., **Wu, L.C.**, Abdel-Mawgood, A., Lewis, K., and Smith, C.E. (1992) Non-isotopic oligonucleotide probes: An effective replacement for isotopic probes in molecular biology techniques. *Promega Notes* 37, 1-8.  
Ekenberg, S., McCormick, M., **Wu, L.C.**, and Smith, C. E. (1992) 30-Minute poly(A)<sup>+</sup>RNA isolation directly from tissue. *Promega Notes* 39, 7-11.  
McCormick, M., York, C, **Wu, L.C.**, Simpson, D., and Smith, C. E. (1993) Alkaline labeling of oligos: Choosing the best LIGHTSMITH System for your non-isotopic labeling and detection needs. *Promega Notes* 40, 4-7.  
Storts, D., **Wu, L.C.**, Mendoza, L., Oler, J. (1993) Silver staining - A new approach to non-radioactive DNA sequencing. *Promega Notes* 42, 10-14.  
Pascal, E., Goodlove, P., **Wu, L.C.**, Lazarowitz, S.G. (1993) Transgenic tobacco plants expressing the geminivirus BL1 protein exhibit symptoms of viral disease. *The Plant Cell* 5, 795-807.

- Shaul, P., North, A., **Wu, L.C.**, Wells, L., Brannon, T., Lau, K., Michel, T., Margrag, L., and Star, R. (1994) Endothelial Nitric Oxide Synthase is Expressed in cultured Human Bronchiolar Epithelium. *J. Clin. Invest.* 94, 2231-2236.
- North, A., Moya, F., Mysore, M., Thomas, V., Wells, L., **Wu, L. C.** and Shaul, P. (1995) Pulmonary Endothelial Nitric Oxide Synthase Gene Expression Is Decreased in a Rat Model of Congenital Diaphragmatic Hernia. *Am. J. Respir. Cell Mol. Biol.* 13, 676- 682.
- North, A., Lau, K., Brannon, T., **Wu, L. C.**, Wells, L., German, Z., and Shaul, P. (1996) oxygen upregulates nitric oxide synthase gene expression in ovine fetal pulmonary artery endothelial cells. *Am. J. Physiol.* 270, L643-649.
- Wu, L. C.**, Wang, Z., Tsan, J., Spillman, M., Phung, A., Xu, X., Yang, M-C, Hwang, L., Bowcock, A., and Baer, R. (1996) Identification of a RING protein that can interact in vivo with the BRCA1 gene product. *Nature Genetics* 14, 430-440.
- Yu, X., **Wu, L.C.** Bowcock, A., Aronheim, A., and Baer, R. (1998) The C-terminal (BRCT) domains of BRCA1 interact in vivo with CtIP, a protein implicated in the CtBP pathway of transcriptional repression. *J. Biol. Chem.* 273, 25388-25392.
- Xu, X. L., **Wu, L. C.**, Du, F., Davis, A., Peyton, M., Tomizawa, Y., Maitra, A., Tomlinson, G., Gazdar, A. F., Weissman, B.E., Bowcock, A.M., Baer, R. and Minna, J.D. (2001) Inactivation of human SRBC, located within the 11p15.5-p15.4 Tumor suppressor region, in breast and lung cancers. *Cancer Research* 61, 7943-7949.
- Rutter, J, Reick, M, **Wu, L.C.** and McKnight, L.S. (2001) Regulation of Clock and NPAS2 DNA binding by the redox state of NAD cofactors. *Science* 293, 510-514.
- Ozer, A., **Wu, L. C.** and Bruick, R. (2005) The candidate tumor suppressor ING4 represses activation of the hypoxia inducible factor (HIF). *PNAS* 102(21),7481-7486.