

. CURRICULUM VITAE .



• Personal Data

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• Specialty

Transgenic and Knockout Mice, Molecular Cell Biology, Tumor Biology, molecular toxicology

• Education Qualification

- Ph.D., Institute of Public Health, School of Medicine, National Yang-Ming University, Taipei, Taiwan. (2001.09 - 2007.07)
- B.Sc., Department of Public Health, Taipei Medical University, Taipei, Taiwan. (1996.09 – 2000.07)

• Professional Working Experience

- Postdoctoral research associate, Center for Neuropsychiatry, China Medical University and Hospital, Taichung, Taiwan, R.O.C. (2008.08 - present)
- Postdoctoral research associate, AIDS research center, National Yang-Ming University, Taipei, Taiwan, R.O.C. (2008.01 - 2008.07)

• Academic Honors and Awards

2007 Excellent Ph.D. thesis Award of National Yang-Ming University

2008 Excellent Ph.D. thesis Award of Wang Ming-Ning Memorial Foundation

• Research Grants

From China Medical University

- Use glycine N-methyltransferase knockout mice to study the mechanism of gender disparity in liver cancer. 20080801~20090731, NT 300,000.

• Publications

➤ Journal articles (RPI=101.56)

- Liu SP**, Li YS, Chen YJ, Chiang EP, Li AF, Lee YH, Tsai TF, Hsiao M, Hwang SF, Chen YM. Glycine N-methyltransferase^{-/-} mice develop chronic hepatitis and glycogen storage disease in the liver. *Hepatology*. 46: 1413-1425, 2007. **SCI 2006 Impact factor: 10.734, Ranking: 2/48.**
- Liao YJ, **Liu SP (Co-first author)**, Lee CM, Yen CH, Chuang PC, Chen CY, Tsai TF, Huang SF, Wu Lee TH, Chen YM. Characterization of a glycine N-methyltransferase gene knockout mouse model for hepatocellular carcinoma. *International Journal of Cancer*. 124: 816-826, 2009. **SCI 2006 Impact factor: 4.555, Ranking: 30/132.**
- Yen CH, Hung JH; Ueng YF, **Liu SP**, Chen SY, Liu, HH, Chou TY, Tsai TF, Darbha R, Hsieh LL, Chen YM. Glycine N-Methyltransferase Affects the Metabolism of Aflatoxin

B1 and Blocks its Carcinogenic Effect. Toxicology and Applied Pharmacology (In press). **SCI 2006 Impact factor: 3.846, Ranking: 6/73.**

4. Chen, S.Y., Wan, L., Sheu, J.J.C., Huang, Y.C., Lan, Y.C., Lai, C.H., Lin, C.W., Chang, J.S., Tsai, Y., **Shih-Ping Liu**, Lin, Y.J., Tsai, F.J. Interleukin-18 gene 105A/C genetic polymorphism contributes to the susceptibility of Kawasaki disease. J Clin Lab Anal. Medical Laboratory Technology. (In press) **SCI 2006 Impact factor: 0.995, Ranking: 20/26.**
5. **Liu SP**, Fu RH, Yu HH, Li KW, Shyu WC, Lin SZ. MicroRNAs Regulation and Alternative mRNA Splicing Modulated Self-Renewal and Lineage Differentiation of Stem Cells. Cell transplantation. (In press). **SCI 2006 Impact factor; 3.874, Ranking: 2/21.**
6. Fu RH, **Liu SP**, Yu HH, Li KW, Shyu WC, Lin SZ. Alternative Splicing Modulates Stem Cell differentiation. Cell transplantation. (In press). **SCI 2006 Impact factor; 3.874, Ranking: 2/21.**
7. Cho DY, Lin SZ, Yang WK, Hsu DM, Lee HC, Lee WY, **Liu SP**. Recent Advances of Dendritic Cells (DCs)-Based Immunotherapy for Malignant Gliomas. Cell transplantation. (In press). **SCI 2006 Impact factor; 3.874, Ranking: 2/21.**

➤ **Conference abstract:**

1. **Liu SP**, Hung JH, Chou TY, Tsai TF, Chen YM. Using glycine N-methyltransferase (GNMT) transgenic mice to study the interaction between GNMT and aflatoxin B1 in the tumorigenesis of liver. The 21th JBSC in Taipei, Taiwan. Mar. 28, 2006.
2. **Liu SP**, Hung JH, Chou TY, Tsai TF, Chen YM. Using glycine N-methyltransferase transgenic mice to study the interaction between GNMT and aflatoxin B1 in the tumorigenesis of liver. The 7th Guangdong, Hong Kong, Macau and Taiwan Conference on Preventive Medicine. Taipei, Sep. 16, 2006.
3. **Liu SP**, Li YS, Chen YJ, Chiang EP, Li FY, Lee YH, Tsai TF, Hsiao M, Chen YM. Glycine N-methyltransferase^{-/-} mice develop chronic hepatitis and glycogen storage disease in liver. The 57th ASHG in San Diego, California. Oct. 23, 2007.

• Thesis

- ▶ Liu SP., 2007. Establish GNMT Knockout and Transgenic Mice Models for the Carcinogenesis Research. PhD Thesis of National Yang-Ming University.

• Patent

- ▶ United States Patent: GLYCINE N-METHYLTRANSFERASE (GNMT) ANIMAL MODEL AND USE THEREOF. (In Apply)