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EDUCATION

- 1986 B. Sc. Biology; Department of Biology, Xiamen University, China.
- 1992 M.S. Genetics; Institute of Genetics, Fudan University, China.
- 1997 Ph.D. Genetics; Institute of Genetics, Fudan University, China.

POSTDOCTORAL TRAINING

- 10/1997 – 05/1998: Dept. of Medical Oncology, University of Glasgow, UK.
- 10/1998 – 01/2005: Dept. Cell Biology, Albert Einstein College of Medicine, New York, USA.

ACADEMIC APPOINTMENT

- 09/1986 – 08/1989: Teaching Assistant, Jiangxi College of Chinese Traditional Medicine, China
- 01/2005 – present Assistant Professor, Division of Nephrology, Dept. of Medicine, Mount Sinai School of Medicine, New York, USA.

HONORS/AWARDS/PATENTS

- 1995 "Guanghua Award" by Guanghua Foundation and Fudan Univeristy, China.
- 2002 Travel award by the Society for Glycobiology, USA.
- 1997 Grant Award from National Natural Science Foundation of China.

TEACHING ACTIVITIES

- 09/1986 – 08/1989: Teaching assistant; Jiangxi College of Traditional Chinese Medicine, China.

PUBLICATIONS

Peer Reviewed Original Contributions

1. Tao XX, Li FP, Huang PB, **Shi S**, Kuang B and Yang J. Studies of prevalence of some hereditary diseases in 890 thousand population within Jiangxi province, China. *Journal of JXCTM*, 3(1):53-55. (in Chinese) 1990.
2. Tao XX, Li FP, Huang PB, **Shi S**, Kuang B and Yang J. Studies of consanguineous marriage in the population of Han nationality within Jiangxi province. *Journal of JXCTM*, 3(2): 132-133.(in Chinese),1990.
3. **Shi S**, Yu L, Liu MM, Deng Y, Zhang M, Gong R., Zhao SY and C.C. Tan. Preliminary study on direct isolation of the human genomic coding sequences from yeast artificial chromosome. *Journal of Fudan (Natural Science)*, 34(4), 361-369. (in Chinese), 1995.
4. Yu L, Gong LQ, Deng Y, **Shi S**, and Zhao SY. A simple method for Long-term storage of the silver-stained PAGE gel used for PCR-SSCP and STR analysis. *Chin.J.Med.Genet.*,13(3):177-178.(in Chinese), 1996.
5. Zhang M, Yu L, Hu PR, **Shi S**, Wu GJ and Zhao SY. A method for preparation of Human genomicDNA probe. *Chin. J. Med. Genet.*, 14(2):112-114. (in Chinese), 1997.
6. Zheng QP, Yu L, Zhang SN, **Shi S**, Wu GJ, Fan YX, Li X, Yang YM, Li ZH and Geng ZC. Preliminary study of the basic structure of dystrophin gene in Chinese population. *Chin. J. Clin. Neurology*. 10(5): 262-265. (in Chinese), 1997.
7. Wu GJ, Shan XN, Li MF, **Shi S**, Zheng QP, Yu L, and Zhao SY. A preliminary study on the loss of heterozygosity at 17p13 in gastric and colorectal cancers. *China Natl J New Gastroenteral*, 1997, 3(3), 160 - 162. 1997.
8. Fan YX, Yang RM, Yu L, Wu MC, **Shi S**, Ren MS, Han YZ, Hu JY and Zhao SY. Identification of a novel missense mutation in Wilson's disease gene. *Chin Med J.*, 110(11): 887-890. 1997.
9. **Shi S**, Liu MM, Long Y, Chen SJ, Zheng QP, Wu GJ, Chen Z, and Zhao SY. Assignment of Novel zinc finger gene ZNF191 to human chromosome 18q12.1 by human/rodent somatic cell hybrid panel and fluorescence in situ hybridization. *Acta Biologiae Experimentalis Sinica* 31(1), 21-27. 1997.
10. Bi AD, Wang SD, Yu L, **Shi S**, and Zhao SY. Construction and examination of the configuration of zinc-finger motif using homology-based modelling. *Journal of Fudan (Natural Science)*. 37(2):123-128. (in Chinese), 1998.

11. **Shi S**, Yu L, Wu GJ, Liu MM, Zheng QP, Fan YX, Zhao SY and Tan JZ. Cloning of the complete cDNA of ZNF191, a novel human zinc finger protein gene. *Prog. Nat. Sci.*, 8(4):502 -505. 1998.
12. Liu YQ, Yu L, Yu WH, **Shi S**, Sun BY, Wu GJ, and Huang ZX. Expression and purification of a new zinc finger gene - ZNF191 protein and its zinc finger region ZNF191(243-368). *Sci China (series B)*, 42(3), 245-252. 1999.
13. Han ZG, Zhang QH, Ye M, Kan LX, Gu BW, **Shi S**, Zhou J, Fu G, Mao, M, Chen SJ, Long Y, Chen Z. Molecular cloning of six novel Kruppel-like zinc finger genes from hematopoietic cells and identification of a novel transregulatory domain KRNB. *J. Biol. Chem.* 274(50) 35741-35748. 1999.
14. Patnaik SK, Zhang AM, **Shi S**, and Stanley P. alpha(1,3) fucosyltransferase expressed by the gain-of-function Chinese hamster ovary glycosylation mutants LEC12, LEC29 and LEC30. *Arch Biochem Biophys* 375: (2) 322-332, 2000.
15. Wang Y, Shao L., **Shi S**, Harris RJ, Spellman MW, Stanley P, and Haltiwanger RS. Modification of Epidermal Growth Factors with O-Fucose: Cloning and Expression of the GDP-Fucose: Polypeptide O-Fucosyltransferase (*J. Biol. Chem.* 276 (43):40338-30345), 2001.
16. **Shi S** and Stanley P. Protein O-fucosyltransferase 1 is an essential component of Notch signaling pathways. *Proc Natl Acad Sci U S A.* 100(9):5234-5239. 2003.
17. **Shi S**, Williams S, Seppo A, Chen W, Kurniawan H, Zhengyi Ye, Marth J and Stanley P. Inactivation of the Mgat1 Gene in Oocytes Impairs Oogenesis but Embryos Lacking Complex and Hybrid N-Glycans Develop and Implant. *Mol. Cell. Biol.* 24(22):9920-9929, 2004.
18. Stanley P, Sundaram S, Tang J and **Shi S**. Molecular Analysis of Three Gain-of-Function CHO Mutants that Add the Bisecting GlcNAc to N-Glycans. *Glycobiology.* 15(1): 43-53. 2005.
19. **Shi S**, Stahl M, Lu L, Stanley P. Canonical Notch Signaling is dispensable for early cell fate specifications in mammals. *Mol Cell Biol.* 2005; 25(21): 9503-9508.
20. Chen J, Lu L, **Shi S**, Stanley P. Expression of Notch signaling pathway genes in mouse embryos lacking beta4-galactosyltransferase-1. *Gene Expression Pattern.* 2006; 6(3): Epub ahead of print.
21. Stahl M, Ge C, **Shi S**, Pestell R, Stanley P. Cyclin D1 is Necessary for Notch1-Induced RKE-1 Cell Transformation and is a Physiological Target of Notch Signaling. (submitted), 2006.
22. **Shi S**, Ge C, Luo Y, Haltiwanger RS, Stanley P. The Threonine that Carries Fucose, but not Fucose, is Required for Cripto to Facilitate Nodal Signaling. (submitted) 2006.

Invited Contributions

1. **Shi S**, Stanley P. Evolutionary Origins of Notch Signaling in Early Development. *Cell Cycle*. 2006; 5(3):

Book Chapters

2. **Shi S**, Williams S, Kurniawan H, Lu L, Stanley P. Roles of complex and hybrid N-glycans and O-fucose glycans in oocyte development and function. *Adv Exp Med Biol*. 2005; 564:99-100.
3. **Shi S**, Stanley P. *Glycosylation in Development*. In **Glycobiology** Ed. Clare Sansom and Ofer Markman. Scion Publishing Ltd. 2006.(in press)