CURRICULUM VITAE.

• Personal Data

Shih-Ping Liu (劉詩平)

Associate Professor, Graduate Institute of Biomedical Science, China Medical University, Taichung, Taiwan. (2013.02 - present)
Associate Research Fellow, Center for Translational Medicine, China Medical University and Hospital, Taichung, Taiwan. (2013.08 - present)

• Office Address

Room 813, 8F, No.6, Hsueh-Shih Road, Taichung 404, Taiwan

• Tel

886-4-22052121#7811

E-mail

spliu@mail.cmuh.org.tw

• Specialty

Stem Cell Therapy, Transgenic and Knockout Mice, Tumor Biology

• 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

- Associate research fellow, Center for Neuropsychiatry, China Medical University and Hospital, Taichung, Taiwan, R.O.C. (2010.08 - 2013.07)
- Postdoctoral research associate, Center for Neuropsychiatry, China Medical University and Hospital, Taichung, Taiwan, R.O.C. (2008.08 – 2010.07)
- Postdoctoral research associate, AIDS research center, National Yang-Ming University, Taipei, Taiwan, R.O.C. (2008.01 - 2008.07)

• Publications

➢ Journal articles

1. **Shih-Ping Liu,** Ying-Shiuan Li, Yann-Jang Chen, En-Pei Chiang, Anna Fen-Yau Li, Ying-Hue Lee, Ting-Fen Tsai, Michael Hsiao, Shiu-Feng Hwang, and Yi-Ming Arthur Chen. Glycine N-methyltransferase-/- mice develop chronic hepatitis and glycogen storage disease in the liver. Hepatology. 46: 1413-1425, 2007. **SCI 2016 Impact factor: 13.246, Ranking: 4/79. Subject Categories: GASTROENTEROLOGY & HEPATOLOGY**

2. Yi-Jen Liao, **Shih-Ping Liu (Co-first author)**, Cheng-Ming Lee, Chia-Hung Yen, Pei-Chun Chuang, Chia-Yen Chen, Ting-Fen Tsai, Shiu-Feng Huang, Yan-Hwa Wu Lee, Yi-Ming Arthur Chen.Characterization of a glycine N-methyltransferase gene knockout mouse model for hepatocellular carcinoma. International Journal of Cancer. 124: 816-826, 2009. **SCI 2016 Impact factor: 6.513, Ranking: 24/217. Subject Categories: ONCOLOGY**

3. Chen SY, Wan L, Huang YC, Sheu JJ, Lan YC, Lai CH, Lin CW, Chang JS, Tsai Y, Liu SP, Lin YJ, Tsai FJ.Interleukin-18 gene 105A/C genetic polymorphism is associated with the susceptibility of Kawasaki disease. J Clin Lab Anal. 2009;23(2):71-6. **SCI 2016 Impact factor: 1.521, Ranking: 22/30. Subject Categories: MEDICAL LABORATORY TECHNOLOGY.**

4. Liao YJ, Liu SP, Lee CM, Yen CH, Chuang PC, Chen CY, Tsai TF, Huang SF, Lee YH, Chen YM. Characterization of a glycine N-methyltransferase gene knockout mouse model for hepatocellular carcinoma: Implications of the gender disparity in liver cancer susceptibility. Int J Cancer. 2009 Feb 15;124(4):816-26. **SCI 2016 Impact factor: 6.513, Ranking: 24/217. Subject Categories: NOCOLOGY.**

5. **Liu SP**, Fu RH, Yu HH, Li KW, Tsai CH, Shyu WC, Lin SZ. MicroRNAs regulation modulated self-renewal and lineage differentiation of stem cells. Cell Transplant. 2009;18(9):1039-45. **SCI 2016**

Impact factor: 3.006, Ranking: 43/128. Subject Categories: MEDICINE, RESEREARCH & EXPERIMENTAL.

6. Chia-Hung Yen, Jung-Hsien Hung, Yune-Fang Ueng, **Shih-Ping Liu**, Shih-Yin Chen, Hsiao-Han Liu, Teh-Ying Chou, Ting-Fen Tsai, Ramalakshmi Darbha, Ling-Ling Hsieh, Yi-Ming Arthur Chen. Glycine N-Methyltransferase Affects the Metabolism of Aflatoxin B1 and Blocks its Carcinogenic Effect. Toxicology and Applied Pharmacology. 235: 296-304, 2009. **SCI 2016 Impact factor: 3.791, Ranking: 15/92. Subject Categories: TOXICOLOGY**

7. Shih-Yin Chen, Lei Wan, Yu-Chuen Huang, Jim Jinn-Chyuan Sheu, Yu-Ching Lan, Chih-Ho Lai, Cheng-Wen Lin, Jeng Sheng Chang, Yuhsin Tsai, **Shih-Ping Liu**, Ying-Ju Lin and Fuu-Jen Tsai. Interleukin-18 gene 105A/C genetic polymorphism contributes to the susceptibility of Kawasaki disease. Journal of Clinical Laboratory Analysis. 23: 71-76, 2009. **SCI 2016 Impact factor: 1.521, Ranking: 22/30. Subject Categories: MEDICAL LABORATORY TECHNOLOGY**

8. **Shih-Ping Liu**, Ru-Huei Fu, Hsiu-Hui Yu, Kuo-Wei Li, Chang-Hai Tsai, Woei-Cherng Shyu and Shinn-Zong Lin. MicroRNAs Regulation and Alternative mRNA Splicing Modulated Self-Renewal and Lineage Differentiation of Stem Cells. Cell transplantation. 18(9):1039-45, 2009. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

9. Ru-Huei Fu, Shih-Ping Liu, Chen-Wei Ou, Hsiu-Hui Yu, Kuo-Wei Li, Chang-Hai Tsai, Woei-Cherng Shyu and Shinn-Zong Lin. Alternative Splicing Modulates Stem Cell differentiation. Cell transplantation. 18(9):1029-38, 2009. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

10. Der-Yang Cho, Shinn-Zong Lin, Wen-Kuang Yang, Den-Mei Hsu, Han-Chung Lee, Wen-Yeun Lee, and **Shih-Ping Liu**. Recent Advances of Dendritic Cells (DCs)-Based Immunotherapy for Malignant Gliomas. Cell transplantation. 18(9): 977-83, 2009. **S SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

11. Yi-Jen Liao, Kuan-Hsuan Chen, Shiu-Feng Huang, Tzu-Lang Chen, Chung-Kwe Wang, Chau-Heng Chien, Ting-Fen Tsai, **Shih-Ping Liu**, Yi-Ming Arthur Chen. Deficiency of glycine N-methyltransferase results in deterioration of cellular defense to stress in mouse liver. Proteomics Clinical Applications. 4: 1-13, 2010. **SCI 2016 Impact factor; 3.814, Ranking: 19/78 Subject Categories: BIOCHEMICAL RESEARCH METHODS**

12. Ru-Huei Fu, Shih-Ping Liu, Chen-Wei Ou, Chin-Mao Huang, Yu-Chi Wang. Spatial control of cells, peptide delivery and dynamic monitoring of cellular physiology with chitosan-assisted dual color quantum dot FRET peptides. Acta Biomater. 2010 Sep;6(9):3621-9. **SCI 2016 Impact factor; 6.319, Ranking: 3/77. Subject Categories: ENGINEERING, BIOMEDICAL**

13. Ru-Huei Fu, **Shih-Ping Liu**, Chen-Wei Ou, Chin-Mao Huang, Yu-Chi Wang. Spatial control of cells, peptide delivery and dynamic monitoring of cellular physiology with chitosan-assisted dual color quantum dot FRET peptides. Acta Biomaterialia. 6(9):3621-3629, 2010. **SCI 2016 Impact factor; 6.319, Ranking: 3/77. Subject Categories: ENGINEERING, BIOMEDICAL**

14. Yu-chuen Huang, Ying-Ju Lin, Jeng-Sheng Chang, Shih-Yin Chen, Lei Wan, Jim Jinn-Chyuan Sheu, Chih-Ho Lai, Cheng-Wen Lin, **Shih-Ping Liu**, Chih-Ping Chen, Fuu-Jen Tsai. Single nucleotide polymorphism rs2229634 in the ITPR3 gene is associated with the risk of developing coronary artery aneurysm in children with Kawasaki disease. International Journal of Immunogenetics. 37(6):439-443, 2010. **SCI 2016 Impact factor; 1.093, Ranking: 147/167. Subject Categories: GENETICS & HEREDITY**

15. **Shih-Ping Liu**, Shin-Da Lee, Hsu-Tung Lee, Demeral David Liu, Hsiao-Jung Wang, Ren-Shyan Liu, Shinn-Zong Lin, and Woei-Cherng Shyu. Granulocyte Colony-Stimulating Factor Activating HIF-1α Acts Synergistically with Erythropoietin to Promote Tissue Plasticity. PLoS ONE. 5(4):e10093, 2010. **SCI 2016 Impact factor; 2.806, Ranking: 15/64. Subject Categories: MULTIDISCIPLINARY SCIENCES**

16. **Shih-Ping Liu**, Dah-Ching Ding, Hsu-Tung Lee, Der-Cherng Chen, Hsiao-Jung Wang, Shinn-Zong Lin, Woei-Cherng Shyu. Non-senescent Hsp27-Upregulated MSCs Implantation Promote Neuroplasticity in Stroke Model. Cell transplantation. 19(10):1261-79, 2010. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION**

17. Yu-Chuen Huang, Ying-Ju Lin, Jeng Sheng Chang, Shih-Yin Chen, Lei Wan, Jim Jinn-Chyuan Sheu, Chih-Ho Lai, Cheng-Wen Lin, **Shih-Ping Liu**, Fuu-Jen Tsai. Haplotype of BAK1 (BCL2 antagonist killer 1) polymorphisms associated with the risk of developing Kawasaki disease in Taiwanese children. Scienceasia. 36,125-129, 2010. **SCI 2016 Impact factor: 0.343, Ranking: 56/64. Subject Categories: MULTIDISCIPLINARY SCIENCES**

18. Chen SY, Wan L, Huang CM, Huang YC, Sheu JJ, Lin YJ, Liu SP, Lan YC, Lai CH, Lin CW, Tsai CH, Tsai FJ. Genetic polymorphisms of the DNA repair gene MPG may be associated with susceptibility to rheumatoid arthritis. J Appl Genet. 2010;51(4):519-21. **SCI 2016 Impact factor: 1.173, Ranking: 105/160. Subject Categories: BIOTECHNOLOGY & APPLIED MICRPBIOLOGY**

19. Ru-Huei Fu, Horng-Jyh Harn, Ching-Liang Chu, Chin-Mao Huang, **Shih-Ping Liu**, Yu-Chi Wang, Ya-Hsien Lin, Woei-Cherng Shyu, Shinn-Zong Lin. Lipopolysaccharide-stimulated activation of murine DC2.4 cells is attenuated by n-butylidenephthalide through suppression of the NF-κB pathway. BIOTECHNOLOGY LETTERS. 2011 Jan. 33(5):903-910 **SCI 2016 Impact:1.730, Ranking :98/160. Subject Categories: BIOTECHNOLOGY & APPLIED MICROBIOLOGY**

20. **Shih-Ping Liu,** Ru-Huei Fu, Yu-Chuen Huang, Shih-Yin Chen, Ying-Jiun Chien, Chien Yu Hsu, Chang-Hai Tsai, Woei-Cherng Shyu, Shinn-Zong Lin. Induced Pluripotent Stem (iPS) Cell Research Overview. Cell transplantation. 20(1):15-9, 2011. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION**

21. Shih-Yin Chen, Yu-Chuen Huang, **Shih-Ping Liu**, Fuu-Jen Tsai, Woei-Cherng Shyu, Shinn-Zong Lin. An Overview of Concepts for Cancer Stem Cells. Cell transplantation. 20(1):113-20, 2011. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION**

22. Ru-Huei Fu, Yu-Chi Wang, **Shih-Ping Liu**, Chen-Wei Ou, Chin-Mao Huang, Chang-Hai Tsai, Woei-Cherng Shyu, and Shinn-Zong Lin. Differentiation of stem cells: strategies for modifying

surface biomaterials. Cell transplantation. 20(1):37-47, 2011. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION**

23. **Shih-Ping Liu**, Ying-Shiuan Li, Cheng-Ming Lee, Chia-Hung Yen, Yi-Jen Liao, Shiu-Feng Huang, Chau-Heng Chien, Yi-Ming Arthur Chen. Higher susceptibility to aflatoxin B1-related hepatocellular carcinoma in glycine N-methyltransferase knockout mice. International Journal of Cancer. 128(3):511-23, 2011. **SCI 2016 Impact factor: 6.513, Ranking: 24/217. Subject Categories: ONCOLOGY**

24. Yi-Cheng Wang, Yi-Ming Chen, Yan-Jun Lin, **Shih-Ping Liu,** En-Pei Isabel Chiang. GNMT expression increases hepatic folate contents and folate-dependent methionine synthase-mediated homocysteine remethylation. Molecular Medicine. 17(5-6):486-94, 2011. **SCI 2016 Impact factor: 3.457, Ranking: 93/190. Subject Categories: CELL BIOLOGY .**

25. Shih-Yin Chen, Lei Wan, Chung-Ming Huang, Yu-Chuen Huang, Jinn-Chyuan Sheu, Ying-Ju Lin, **Shih-Ping Liu**, Yu-Ching Lan, Chih-Ho Lai, Lin Cheng Wen, Chang-Hai Tsai, Fuu-Jen Tsai. Association of the C-285T and A5954G Polymorphisms in the DNA repair gene OGG1 with the Susceptibility of Rheumatoid Arthritis. Rheumatology International. 2012 May;32(5):1165-9. **SCI 2016 Impact factor:1.824, Ranking:21/30. Subject Categories: RHEUMATOLOGY .**

26. **Shih-Ping Liu**, Horng-Jyh Harn, Ying-Jiun Chien, Cheng-Hsuan Chang, Chien-Yu Hsu, Ru-Huei Fu, Yu-Chuen Huang, Shih-Yin Chen, Woei-Cherng Shyu, Shinn-Zong Lin. n-Butylidenephthalide (BP) maintains stem cell pluripotency by activating Jak2/Stat3 pathway and increases the efficiency of iPS cells generation. PLoS One. 2012;7(9):e44024. **SCI 2016 Impact factor; 2.806, Ranking: 15/64. Subject Categories: MULTIDISCIPLINARY SCIENCES.**

27. Ru-Huei Fu, **Shih-Ping Liu**, Ching-Liang Chu, Ya-Hsien Lin, Yu-Chen Ho, Shao-Chih Chiu, Wei-Yong Lin, Woei-Cherng Shyu, Shinn-Zong Lin. Myricetin attenuates lipopolysaccharide-stimulated activation of mouse bone marrow-derived dendritic cells through suppression of IKK/NF-κB and MAPK signaling pathways. JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE，2013 Jan， 93(1):76-84. **SCI 2016 Impact factor; 2.463, Ranking:4/56. Subject Categories: AGRICULTURE, MULTIDISCIPLINARY**

28. Ru-Huei Fu, Yu-Chi Wang, **Shih-Ping Liu**, Ching-Liang Chu, Rong-Tzong Tsai, Yu-Chen Ho, Wen-Lin Chang, Shao-Chih Chiu), Horng-Jyh Harn, Woei-Cherng Shyu, Shinn-Zong Lin. Acetylcorynoline Impairs the Maturation of Mouse Bone Marrow-Derived Dendritic Cells via Suppression of IkB Kinase and Mitogen-Activated Protein Kinase Activities，PLoS One，2013 Mar，8(3):e58398. **SCI 2016 Impact factor; 2.806, Ranking: 15/64. Subject Categories: MULTIDISCIPLINARY SCIENCES**

29. Yu-Chuen Huang, Hsin-Yi Lin, Hui-Ju Lin, Shih-Yin, Chen, **Shih-Ping Liu**, WEN-LING LIAO, Lin Jane-Ming, Yung-Hsiang Chen, Fuu-Jen Tsai. JPH2 is a novel susceptibility gene on chromosome 20q associated with diabetic retinopathy in a Taiwanese population，Scienceasia. 2013 Apr， 39(2):167-173. **SCI 2016 Impact factor: 0.343, Ranking: 56/64. Subject Categories: MULTIDISCIPLINARY SCIENCES**

30. **Shih-Ping Liu**, Ru-Huei Fu, Shyh-Jer Huang, Yu-Chuen Huang, Shih-Yin Chen, Cheng-Hsuan Chang, Cha-Hui Liou, Chang-Hai Tsai, Woei-Cherng Shyu, Shinn-Zong Lin. Stem Cell Applications in Regenerative Medicine for Neurological Disorders. Cell transplantation. 2013;22(4):631-7. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

31. Ru-Huei Fu, **Shih-Ping Liu**, Huang Shyh-Jer, Hung-Jen Chen, Pin-Ru Chen, Ya-Hsien Lin, Yu-Chen Ho, Wen-Lin Chang, Chang-Hai Tsai, Woei-Cherng Shyu, Shinn-Zong Lin. Aberrant Alternative Splicing Events in Parkinson's Disease. Cell transplantation.2013 Apr;22(4):653-661. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

32. Huang Shyh-Jer, Ru-Huei Fu, Woei-Cherng Shyu, Shih-Ping Liu, Gwo-Ping Jong, Yung-Wei Chiu, Hsiao-Su Wu, Yung-An Tsou, Chao-Wen Cheng, Shinn-Zong Lin. Adipose-Derived Stem Cells: Isolation, Characterization and Differentiation Potential. Cell transplantation. 2013 Apr; 22(4):701-710**. SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

33. **Shih-Ping Liu**, Ru-Huei Fu, Yu-Chuen Huang, Shih-Yin, Chen, Woei-Cherng Shyu, Shinn-Zong Lin. Stem Cell Applications for Parkinson's Disease. Adaptive Medicine，2013 Dec ;5(4):162-170.

34. Ru-Huei Fu, Horng-Jyh Harn, **Shih-Ping Liu**, Chang-Shi Chen, Wen-Lin Chang, Yue-Mi Chen, Jing-En Huang, Rong-Jhu Li, Sung-Yu Tsai, Huey-Shan Hung, Woei-Cherng Shyu, Shinn-Zong Lin, Yu-Chi Wang. n-Butylidenephthalide Protects Against Dopaminergic Neuron Degeneration and alpha-Synuclein Accumulation in Caenorhabditis elegans Models of Parkinson's Disease. PLoS One. 2014 Jan;9(1):e85305. **SCI 2016 Impact factor; 2.806, Ranking: 15/64. Subject Categories: MULTIDISCIPLINARY SCIENCES**

35. **Shih-Ping Liu**, Ru-Huei Fu, Dong-Chuan Wu, Chien-Yu Hsu, Cheng-Hsuan Chang, Wei Lee, Yu-Da Lee, Chia Hui Liu, Ying-Jiun Chien, Shinn-Zong Lin, Woei-Cherng Shyu. Mouse induced pluripotent stem cells generated under hypoxic conditions in the absence of viral infection and oncogenic factors and used for ischemic stroke therapy，STEM CELLS AND DEVELOPMENT, 2014;23(4):421-33. **SCI 2016 Impact factor; 3.562, Ranking: 9/25. Subject Categories: TRANSPLANTATION.**

36. Liu CH, Shyu WC, Fu RH, Huang SJ, Chang CH, Huang YC, Chen SY, Lin SZ, **Liu SP**. Salvianolic acid B maintained stem cell pluripotency and increased proliferation rate by activating Jak2-Stat3 combined with EGFR-Erk1/2 pathways. Cell Transplant. 2014;23(4-5):657-68. **SCI 2016 Impact factor; 3.006, Ranking: 43/128. Subject Categories: MEDICAINE, RESEARCH & EXPERIMENTAL.**

37. Chia Hui Liu, Woei-Cherng Shyu, Ru-Huei Fu, Huang Shyh-Jer, Cheng-Hsuan Chang, Yu-Chuen Huang, Shih-Yin Chen, Shinn-Zong Lin, **Shih-Ping Liu**. Salvianolic Acid B Maintained Stem Cell Pluripotency and Increased Proliferation Rate by Activating Jak2-Stat3 Combined With EGFR-Erk1/2 Pathways. Cell Transplant. 2014;23(4):657-68. **SCI 2016 Impact factor; 3.006, Ranking: 43/128. Subject Categories: MEDICAINE, RESEARCH & EXPERIMENTAL.**

38. Ru-Huei Fu, Yu-Chi Wang, **Shih-Ping Liu**, Ton-Ru Shih, Hsin-Lien Lin, Yue-Mi Chen, Jiun-Huei Sung, Chia-Hui Lu, Jing-Rong Wei, Zih-Wan Wang, Shyh-Jer Huang, Chang-Hai Tsai, Woei-Cherng Shyu, Shinn-Zong Lin. Decellularization and recellularization technologies in tissue engineering，CELL

TRANSPLANTATION. 2014 ;23(4):621-630. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

39. Ru-Huei Fu, Yu-Chi Wang, **Shih-Ping Liu**, Ton-Ru Shih, Hsin-Lien Lin, Yue-Mi Chen, Rong-Tzong Tsai, Chang-Hai Tsai, Woei-Cherng Shyu, Shinn-Zong Lin. Dryocrassin suppresses immunostimulatory function of dendritic cells and prolongs skin allograft survival. CELL TRANSPLANTATION. 2014;23(4): 641-656. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

40. Ru-Huei Fu, Yu-Chi Wang, Chang-Shi Chen, Rong-Tzong Tsai, **Shih-Ping Liu**, Wen-Lin Chang, Hsin-Lien Lin, Chia-Hui Lu, Jing-Rong Wei, Zih-Wan Wang, Woei-Cherng Shyu, Shinn-Zong Lin. Acetylcorynoline attenuates dopaminergic neuron degeneration and alpha-synuclein aggregation in animal models of Parkinson's disease，NEUROPHARMACOLOGY. 2014 Jul;82:108-20. **SCI 2016 Impact factor; 5.012, Ranking: 24/257. Subject Categories: PHARMACOLOGY & PHARMACY**

41. Fu, Ru-Huei; Tsai, Chia-Wen; Tsai, Rong-Tzong; **Liu, Shih-Ping**; Chan, Tzu-Min; Ho, Yu-Chen; Lin, Hsin-Lien; Chen, Yue-Mi; Hung, Huey-Shan; Chiu, Shao-Chih; Tsai, Chang-Hai; Wang, Yu-Chi; Shyu, Woei-Cherng; Lin, Shinn-Zong. Irisflorentin Modifies Properties of Mouse Bone Marrow-Derived Dendritic Cells and Reduces the Allergic Contact Hypersensitivity Responses. Cell Transplantation, Vol. 24, pp. 573–588, 2015. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

42. Juhn-Cherng Liu, Chia-Wen Tsa,Chin-Mu Hsu, Wen-Shin Chang, Chi-Yuan Li, **Shih-Ping Liu,** Wu-Chung Shen, Da-Tian Bau. Contribution of Double Strand Break Repair Gene XRCC3 Genotypes to Nasopharyngeal Carcinoma Risk in Taiwan. The Chinese Journal of Physiology .Feb 2015, 58(1):64-71. **SCI 2016 Impact factor; 1.167, Ranking: 73/84. Subject Categories: PHYSIOLOGY**

43. **Shih-Ping Liu,** corresponding author Chien-Yu Hsu, Ru-Huei Fu, Yu-Chuen Huang, Shih-Yin Chen, Shinn-Zong Lin, and Woei-Cherng Shyu. Sambucus williamsii induced embryonic stem cells differentiated into neurons. Biomedicine (Taipei). 2015 Mar; 5(1): 3. **SCI 2014 Impact factor;0.932.**

44. Yue-Mi Chen, **Shih-Ping Liu,** Hsin-Lien Lin, Ming-Chia Chan, Yen-Chuan Chen, Yu-Ling Huang, Min-Chen Tsai, and Ru-Huei Fu. Irisflorentin improves α-synuclein accumulation and attenuates 6-OHDA-induced dopaminergic neuron degeneration, implication for Parkinson's disease therapy. **Biomedicine (Taipei). 2015 Mar; 5(1): 4. SCI 2014 Impact factor;0.932.**

45. Chang WS, Tsai CW, Wang JY, Ying TH, Hsiao TS, Chuang CL, Yueh TC, Liao CH, Hsu CM, **Liu SP**, Gong CL, Tsai CH, Bau DT. Contribution of X-Ray Repair Complementing Defective Repair in Chinese Hamster Cells 3 (XRCC3) Genotype to Leiomyoma Risk. Anticancer Research. 2015 Sep;35(9):4691-6. S**CI 2016 Impact factor; 1.937, Ranking: 161/217. Subject Categories: ONCOLOGGY**

46. Chih-Yang Huang, Shao-Yu Chen, Ru-Huei Fu, Yu-Chuen Huang, Shih-Yin Chen, Woei-Cherng Shyu, Shinn-Zong Lin, **Shih-Ping Liu**. Differentiation of Embryonic Stem Cells into Cardiomyocytes Used to Investigate the Cardioprotective Effect of Salvianolic Acid B Through BNIP3 Involved Pathway. CELL TRANSPLANTATION. 2015;24(3):561-71. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION .**

47. Lin HP, Chan TM, Fu RH, Chuu CP, Chiu SC, Tseng YH, **Liu SP,** Lai KC, Shih MC, Lin ZS, Chen HS, Yeh DC, Lin SZ. Applicability of adipose-derived stem cells in type 1 diabetes mellitus. Cell Transplant. 2015;24(3):521-32. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION** .

48. **Shih-Ping Liu**, Chen-Huan Lin, Shao-Ji Lin, Ru-Huei Fu, Yu-Chuen Huang, Shih-Yin Chen, Shinn-Zong Lin, Chung Y. Hsu, Woei-Cherng Shyu. Electrospun PAN-based nanofibers maintain embryonic stem cell stemness via TGF-beta signaling. Journal of Biomedical Nanotechnology 2016 Apr;12(4):732-42. **SCI 2016 Impact factor; 5.338, Ranking: 4/33. Subject Categories: MATERIALS SCIENCE, BIOMATERIALS**

49. Lin CH, Chiu L, Lee HT, Chiang CW, **Liu SP**, Hsu YH, Lin SZ, Hsu CY, Hsieh CH, Shyu WC. PACAP38/PAC1 signaling induces bone marrow-derived cells homing to ischemic brain. Stem Cells. 2015 Apr;33(4):1153-72. **SCI 2016 Impact factor; 5.99 Ranking: 37/217. Subject Categories: ONCOLOGY.**

50. Chang WS, Wang SC, Chuang CL, Ji HX, Hsiao CL, Hsu CM, Tsai CW, **Liu SP**, Hsu PC, Lo YL, Bau DT. Contribution of Interleukin-4 Genotypes to Lung Cancer Risk in Taiwan. Anticancer Res. 2015 Nov;35(11):6297-301. **SCI 2016 Impact factor; 1.937 Ranking: 161/217. Subject Categories: ONCOLOGY**.

51. Kang Chi, Ru-Huei Fu, Yu-Chuen Huang, Shih-Yin Chen, Shinn-Zong Lin, Pi-Chun Huang, Po-cheng Lin, Fu-Kuei Chang, **Shih-Ping Liu.** Therapeutic Effect of Ligustilide-Stimulated Adipose-Derived Stem Cells in a Mouse Thromboembolic Stroke Model. Cell Transplant. 2016;25(5):899-912. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION**

52. **Liu SP**, Lin CH, Lin SJ, Fu RH, Huang YC, Chen SY, Lin SZ, Hsu CY, Shyu WC. Electrospun Polyacrylonitrile-Based Nanofibers Maintain Embryonic Stem Cell Stemness via TGF-Beta Signaling. J Biomed Nanotechnol. 2016 Apr;12(4):732-42. **SCI 2016 Impact factor; 4.521, Ranking: 7/33. Subject Categories: MATERAILS SCINCE, BIOMATERERIALS.**

53. Chang CT, **Liu SP** (Co-first author), Muo CH, Tsai CH, Huang YF. Dental Prophylaxis and Osteoradionecrosis: A Population-Based Study. J Dent Res. 2017 May;96(5):531-538. **SCI 2016 Impact factor; 4.755, Ranking: 2/90. Subject Categories: DENTISTRY, ORAL SURGERY & MEDICINE.**

54. Chen SL, Fu RH, Liao SF, **Liu SP**, Lin SZ, Wang YC. A PEG-based hydrogel for effective wound care management. Cell Transplant. 2017 Mar 27. SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION

55. Shih-Yin Chen, Hsin-Han Chen, Yu-Chuen Huang, **Shih-Ping Liu**, Ying-Ju Lin, Sui-Foon Lo, Yuan-Yen Chang, Hui-Wen Lin, Chung-Ming HuangEmail author and Fuu-Jen Tsai. Polymorphism and Protein Expression of MUTYH Gene for Risk of Rheumatoid Arthritis. BMC Musculoskeletal Disorders. BMC

series-open, inclusive and trusted201718:69. **SCI 2016 Impact factor; 1.739, Ranking: 35/76. Subject Categories: ORTHOPEDICS.**

56. Hsu-Tung Lee**,Shih-Ping Liu**, Chen-Huan Lin, Sophie Wei Lee, Chung Y. Hsu, Huey-Kang Sytwu, Chia-Hung Hsieh, and Woei-Cherng Shyu. A Crucial Role of CXCL14 for Promoting Regulatory T Cells Activation in Stroke. Theranostics. 2017; 7(4): 855–875. **SCI 2016 Impact factor; 8.766, Ranking: 8/128. Subject Categories: MEDICINE, RESRARCH EXPERIMENTAL.**

57. Tsai CW, Tsai RT, **Liu SP**, Chen CS, Tsai MC, Chien SH, Hung HS, Lin SZ, Shyu WC, Fu RH. Neuroprotective Effects of Betulin in Pharmacological and Transgenic C. elegans Models of Parkinson's Disease. Cell Transplant. 2017 Apr 26. **SCI 2016 Impact factor; 3.006, Ranking: 13/25. Subject Categories: TRANSPLANTATION.**

58. Liao CH, Chang WS, Hu PS, Wu HC, Hsu SW, Liu YF, **Liu SP**, Hung HS, Bau DT, Tsai CW. The Contribution of MMP-7 Promoter Polymorphisms in Renal Cell Carcinoma. In Vivo. 2017 Jul-Aug;31(4):631-635. **SCI 2016 Impact factor; 0.953, Ranking: 107/128. Subject Categories: MEDICINE, RESEARCH & EXPERIMENTAL**

59. Chung-Ming Huang, Hsin-Han Chen, Da-Chung Chen, Yu-Chuen Huang, **Shih-Ping Liu**, Ying-Ju Lin, Yuan-Yen Chang, Hui-Wen Lin, Shih-Yin Chen, Fuu-Jen Tsai. Rheumatoid Arthritis is associated with rs17337023 Polymorphism and increased serum level of the EGFR protein. PLoS One. 2017 Jul 11;12(7): e0180604. **SCI 2016 Impact factor; 2.806, Ranking: 15/64. Subject Categories: MULTIDISCIPLINARY SCIENCES**

• Patent

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