刘春宇（教授）

学历：博士

毕业学校：湖南医科大学

研究方向:精神心理疾病和人类行为在脑内的分子调控基础，
人脑中基因表达的遗传和表观遗传学调控网络及其
与人类行为、精神疾病的关系。

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研究简介

刘春宇，美国伊利诺伊大学芝加哥分校精神病系教授，中南大学特聘教授，陕西师范大学长江学者讲座教授。总计发表SCI论文90余篇，被引用愈3600次，单篇引用最高超过400次。H-index 31。 主持NIH及研究基金项目资助超过8百万美金。研究领域为精神心理疾病和人类行为在脑内的分子调控基础，人脑中基因表达的遗传和表观遗传学调控网络及其与人类行为、精神疾病的关系。

招生方向：

学术型硕士与博士：基础心理学（行为与遗传，与赵晶晶教授合带）

专业型硕士：心理健康教育、应用心理（MAP）

博士后流动站：生物信息学、遗传学、计算机科学、分子生物学

代表性成果

代表论文：

1.Li, J, Cai, T, Jiang, Y, Chen, H, He, X, Chen, C, Li, X, Shao, Q, Ran, X, Li, Z, Xia, K, Liu, C*, Sun, ZS* and Wu, J* (2016). Genes with de novo mutations are shared by four neuropsychiatric disorders discovered from NPdenovo database. Mol Psychiatry 21(2): 290-7.

2.Chen C, Zhang C, Cheng L, Reilly J, Bishop J, Sweeney J, Chen H, Gershon ES, Liu C*. Correlation between DNA methylation and gene expression in the brains of bipolar and schizophrenia patients. Bipolar Disorders. 2014 (in press)

3.Grennan, K. S., Chen, C., Gershon, E. S. and Liu, C*. (2014), Molecular network analysis enhances understanding of the biology of mental disorders. Bioessays, 36: 606 - 616.

4.Gamazon, E. R., Badner, J. A., Cheng, L., Zhang, C., Zhang, D., Cox, N. J., Gershon, E. S., Kelsoe, J. R., Greenwood, T. A., Nievergelt, C. M., Chen, C., McKinney, R., Shilling, P. D., Schork, N. J., Smith, E. N., Bloss, C. S., Nurnberger, J. I., Edenberg, H. J., Foroud, T., Koller, D. L., Scheftner, W. A., Coryell, W., Rice, J., Lawson, W. B., Nwulia, E. A., Hipolito, M., Byerley, W., McMahon, F. J., Schulze, T. G., Berrettini, W. H., Potash, J. B., Zandi, P. P., Mahon, P. B., McInnis, M. G., Zollner, S., Zhang, P., Craig, D. W., Szelinger, S., Barrett, T. B. and Liu, C.* (2013). Enrichment of cis-regulatory gene expression SNPs and methylation quantitative trait loci among bipolar disorder susceptibility variants. Mol Psychiatry 18(3): 340-6.

5.Cheng, L., Hattori, E., Nakajima, A., Woehrle, N. S., Opal, M. D., Zhang, C., Grennan, K., Dulawa, S. C., Tang, Y. P., Gershon, E. S. and Liu, C.* (2013). Expression of the G72/G30 gene in transgenic mice induces behavioral changes. Mol Psychiatry 10.1038/mp.2012.185.

6.Chen, C., Cheng, L., Grennan, K., Pibiri, F., Zhang, C., Badner, J. A., Gershon, E. S. and Liu, C.* (2012). Two gene co-expression modules differentiate psychotics and controls. Mol Psychiatry 10.1038/mp.2012.146.

7.Zhang, D., Cheng, L., Badner, J. A., Chen, C., Chen, Q., Luo, W., Craig, D. W., Redman, M., Gershon, E. S. and Liu, C.* (2010). Genetic control of individual differences in gene-specific methylation in human brain. Am J Hum Genet 86(3): 411-9.

8.Liu, C.*, Cheng, L., Badner, J. A., Zhang, D., Craig, D. W., Redman, M. and Gershon, E. S. (2010). Whole-genome

association mapping of gene expression in the human prefrontal cortex. Mol Psychiatry 15(8): 779-84.
9.Zhang, D., Cheng, L., Qian, Y., Alliey-Rodriguez, N., Kelsoe, J. R., Greenwood, T., Nievergelt, C., Barrett, T. B., McKinney, R., Schork, N., Smith, E. N., Bloss, C., Nurnberger, J., Edenberg, H. J., Foroud, T., Sheftner, W., Lawson, W. B., Nwulia, E. A., Hipolito, M., Coryell, W., Rice, J., Byerley, W., McMahon, F., Schulze, T. G., Berrettini, W., Potash, J. B., Belmonte, P. L., Zandi, P. P., McInnis, M. G., Zollner, S., Craig, D., Szelinger, S., Koller, D., Christian, S. L., Liu, C.* and Gershon, E. S. (2009). Singleton deletions throughout the genome increase risk of bipolar disorder. Mol Psychiatry 14(4): 376-80.
10.Liu, C.*, Shi, J., Badner, J. A., Zou, H., Qian, Y. and Gershon, E. S. (2007). No association of trace amine receptor genes with bipolar disorder. Mol Psychiatry 12(11): 979-81.
11.Zhang, R., Zhu, Z., Zhu, H., Nguyen, T., Yao, F., Xia, K., Liang, D. and Liu, C.* (2005). SNP Cutter: a comprehensive tool for SNP PCR-RFLP assay design. Nucleic Acids Res 33(Web Server issue): W489-92.
12.Hattori, E., Liu, C., Badner, J. A., Bonner, T. I., Christian, S. L., Maheshwari, M., Detera-Wadleigh, S. D., Gibbs, R. A. and Gershon, E. S. (2003). Polymorphisms at the G72/G30 gene locus, on 13q33, are associated with bipolar disorder in two independent pedigree series. Am J Hum Genet 72(5): 1131-40. (equal contribution)
13.Xia, J. H., Liu, C. Y., Tang, B. S., Pan, Q., Huang, L., Dai, H. P., Zhang, B. R., Xie, W., Hu, D. X., Zheng, D., Shi, X. L., Wang, D. A., Xia, K., Yu, K. P., Liao, X. D., Feng, Y., Yang, Y. F., Xiao, J. Y., Xie, D. H. and Huang, J. Z. (1998). Mutations in the gene encoding gap junction protein beta-3 associated with autosomal dominant hearing impairment. Nat Genet 20(4): 370-3.