

# 个人简历

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出生年月：1974年4月

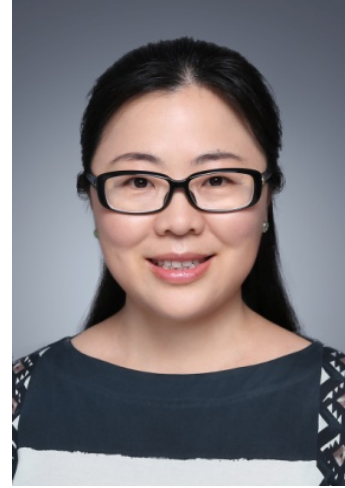
学历：博士 专业：生物化学与分子生物学

职称：研究员 博士生导师

研究方向：精神分裂症机制与分子诊断

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## 研究领域

- 基于烟酸皮肤反应的精神分裂症分子诊断技术
- 基于代谢异常的精神分裂症分子诊断
- 精神分裂症氧化还原失衡的机制

## 教育经历

2000/9-2003/7,	中国科学院，遗传与发育生物学研究所	博士
1997/9-2000/7,	南京师范大学，遗传信息与资源研究所	硕士
1991/9-1995/7,	南京师范大学，生命科学学院	本科

## 工作经历

2014/1 至今,	上海交通大学Bio-X研究院	研究员
2008/1-2013/12,	上海交通大学Bio-X研究院	副教授
2010/5-2011/5,	美国范德堡大学医学中心	博士后
2006/3-2007/12,	上海交通大学Bio-X研究院	讲师
2003/9-2006/3,	上海交通大学Bio-X研究院	博士后

## 曾获奖励

1. 2008 年度上海交通大学“SMC-晨星青年学者奖励计划” B 类
2. 2013 年度上海交通大学“SMC-晨星青年学者奖励计划” A 类

## 发表论文

1. Jiang J, Peng C, Sun L, Li J, Hu X, Qing Y, Yang X, Li Y, Xu C, Zhang J, Min J, Li X, Qin S, Mei L, Tan L, **Wan C\***. Leukocyte Proteomic Profiling in First-Episode Schizophrenia Patients: Does Oxidative Stress Play Central Roles in the Pathophysiology Network of Schizophrenia? *Antioxidant Redox Signaling*. 2019 Sep 10;31(8):579-588. (Corresponding Author)
2. Xu C, Yang X, Sun L, Yang T, Cai C, Wang P, Jiang J, Qing Y, Hu X, Wang D, Wang P, Cui G, Zhang J, Li Y, Ji F, Liu C, and **Wan C\***. An investigation of calcium-independent phospholipase A2 (iPLA2) and cytosolic phospholipase A2 (cPLA2) in schizophrenia, *Psychiatry Research*. 2019 Jan 29; 273: 782-87. (Corresponding Author)
3. Jiang J, Chen X, Sun L, Qing Y, Yang X, Hu X, Yang C, Xu T, Wang J, Wang P, He L, Dong C, **Wan C\***. Analysis of the concentrations and size distributions of cell-free DNA in schizophrenia using fluorescence correlation spectroscopy. *Translational Psychiatry*. 2018 May 22;8(1):104. (Corresponding Author)
4. Sun L, Yang X, Jiang J, Hu X, Qing Y, Wang D, Yang T, Yang C, Zhang J, Yang P, Wang P, Cai C, Wang J, He L, **Wan C\***. Identification of the niacin-blunted subgroup of schizophrenia patients from mood disorders and healthy individuals in Chinese population. *Schizophrenia Bulletin*. 2017 Oct 25; 44(4):896-907. (Corresponding Author)
5. Yang X, Sun L, Zhao A, Hu X, Qing Y, Jiang J, Yang C, Wang P, Liu J, Zhang J, He L, Jia W, **Wan C\***. Serum fatty acid patterns in patients with schizophrenia: a targeted metabolomics study. *Translational Psychiatry*. 2017 Jul 25; 7(7): e1176. (Corresponding Author)
6. Yang C, Zhou Q, Li M, Tong X, Sun J, Qing Y, Sun L, Yang X, Hu X, Jiang J, Yan X, He L, **Wan C\***. Upregulation of CYP2S1 by oxaliplatin is associated with p53 status in colorectal cancer cell lines. *Sci Rep*. 2016 Sep 9;6:33078. doi: 10.1038/srep33078. (Corresponding Author)
7. Hu X, Du S, Yu J, Yang X, Yang C, Zhou D, Wang Q, Qin S, Yan X, He L, Han D, **Wan C\***. Common housekeeping proteins are upregulated in colorectal adenocarcinoma and hepatocellular carcinoma, making the total protein a better "housekeeper" *Oncotarget*. 2016 Aug 20; doi: 10.18632. (Corresponding Author)
8. Qing Y, Sun L, Yang C, Jiang J, Yang X, Hu X, Cui D, Xu Y, He L, Han D, **Wan C\***. Dysregulated 14-3-3 family in peripheral blood leukocytes of patients with schizophrenia. *Scientific Reports*. 2016 Mar 31; 6:23791. (Corresponding Author)

9. Sun L, Qing Y, Yang X, Yang C, Jiang J, Hu X, Ding J, He L, Tan L, **Wan C\***. Gene expression profiling of the xMHC region reveals 9 candidate genes in schizophrenia. *The Journal of Clinical Psychiatry*. 2016 May 77; e597-599. (Corresponding Author)
10. Zhu Y, Cong Q, Liu Y, **Wan C**, Yu T, He G, He L, Cai L, Chou K. Antithrombin, an Important Inhibitor in Blood Clots. *Curr Top Med Chem*. 2016;16(6):666-74.
11. Cai L, Chen T, Yang J, Zhou K, Yan X, Chen W, Sun L, Li L, Qin S, Wang P, Yang P, Cui D, Burmeister M, He L, Jia W, **Wan C\***. Serum trace element differences between Schizophrenia patients and controls in the Han Chinese population. *Scientific Reports*, Article number: 15013(2015) doi:10.1038/srep15013 (Corresponding Author)
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13. Cai L, **Wan C**, He L, Jong Sd, Chou K. Gestational Influenza Increases the Risk of Psychosis in Adults. *Med Chem*. 2015;11(7):676-82.
14. Jiang S, Li L, Yue J, Chen W, Yang C, **Wan C**, He L, Cai L, Deng S. The effects of SP110's associated genes on fresh cavitary pulmonary tuberculosis in Han Chinese population. *Clin Exp Med*. 2015 Jan 23.
15. Qing Y, Yang J, **Wan C\***. Increased serum fibroblast growth factor 21 levels in patients with Schizophrenia. *Australian and New Zealand Journal of Psychiatry* (Corresponding Author)
16. Yang C, Li C, Li M, Tong X, Hu X, Yang X, Yan X, He L, **Wan C\***. CYP2S1 depletion enhances colorectal cell proliferation is associated with PGE2-mediated activation of  $\beta$ -catenin signaling. *Exp Cell Res*. 2014 Dec 31. pii: S0014-4827(14)00549-7. (Corresponding Author)
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19. Wang K, Sun J, Zhou S, **Wan C**, Qin S, He L, Yang L. Prediction of drug-target interactions for drug repositioning only based on genomic expression similarity. *PLOS Computational Biology*.2013.
20. Sun L, Li J, Zhou K, Zhang M, Yang J, Li Y, Ji B, Zhang Z, Zhu H, Yang L, He G, Gao L, Wei Z, Wang K, Han X, Liu W, Tan L, Yu Y, He L, **Wan C\***. Metabolomic Analysis Reveals Metabolic Disturbance in the Cortex and Hippocampus of Subchronic MK-801 Treated Rats. *PLoS One*. 2013;8(4):e60598. doi: 10.1371/journal.pone.0060598. Epub 2013 Apr 5. (Corresponding Author)
21. Cai L, Deng S, Liang L, Pan H, Zhou J, Wang M, Yue J, **Wan C**, He G, He L. (2013) Identification of genetic associations of SP110/MYBBP1A/RELA with pulmonary tuberculosis in the Chinese Han population. *Hum Genet*. 2013 Mar;132(3):265-73.

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23. Li Y, Zhou K, Sun L, Yang J, Zhang M, Ji B, Tang K, Wei Z, He G, Gao L, Yang L, Wang P, Ping Yang P, Feng G, He L\*, **Wan C\***. Label-free quantitative proteomic analysis reveals dysfunction of complement pathway in peripheral blood of schizophrenia patients: evidence for the immune hypothesis of schizophrenia. *Mol Biosyst.* 2012 Oct;8(10):2664-71 (Corresponding Author)
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41. **Wan C**, Shi Y, Zhao X, Tang W, Zhang M, Ji B, Zhu H, Xu Y, Li H, Feng G, He L. Positive association between ALDH1A2 and schizophrenia in the Chinese population. *Prog Neuropsychopharmacol Biol Psychiatry*. 33: 1491-1495 (First Author)
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55. **Wan C#**, Yang Y#, Li H, La Y, Zhu H, Feng G and He L. Dysregulation of Retinoid Transporters Expression in Body Fluids in Schizophrenia Patients. *J. Proteome Res*. 2006. 5: 3213-3216 (First Author)
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## 承担项目

1. 国家自然科学基金面上项目“精神分裂症跨尺度表型特征研究及关联网络构建” (No. 81971254, **项目负责人**, 2020.01-2023.12, 55 万, 进行中)
2. 上海市市级科技重大专项“国际人类表型组计划(一期)“精神分裂症跨尺度表型特征研究及关联网络构建”( No. 2017SHZDZX01, **项目负责人**, 2019.01-2021.12, 60 万, 进行中)
3. 上海交通大学“转化医学交叉研究基金”项目《人类早期胚胎冻融过程中卵裂球丢失对子代健康的影响及其机制研究》(项目组主要成员, 2019-2021, 进行中)
4. 上海交通大学“转化医学交叉研究基金”项目《基于烟酸皮肤反应的精神分裂症分子诊断技术》(项目组主要成员, 2018-2020, 进行中)
5. 国家自然科学基金面上项目“精神分裂症不饱和脂肪酸代谢异常研究”(No. 81771440, **项目负责人**, 2018.01—2021.12, 54 万, 进行中)
6. 上海市科委重点研发计划“儿童智力发育障碍研究资源库”(No. 16JC1420500, **课题负责人**, 2017.1-2019.12, 200 万, 进行中)
7. 上海交通大学“医工交叉研究基金”项目《ENA78 相关通路在抑郁症发病机制中的作用研究》(项目组主要成员, 2017-2019, 进行中)
8. 国家重点研发计划“精神分裂症分期识别生物学标记与多级风险布控体系建构”(No. 2016YFC1306800, 课题主要成员, 2016.01-2020.12, 102 万, 进行中)

9. 国家重点研发计划“抗精神病药物个性化优选治疗方案的研究”(No. 2016YFC1306900, 课题主要成员, 2016.01-2020.12, 160 万, 进行中)
10. 上海交通大学“医工交叉研究基金”项目“精神分裂症早期诊断生物指标的比较蛋白质组学研究”(No. YG2013MS64, 项目组主要成员, 2014.01—2015.12, 15 万, 已结题)
11. 国家自然科学基金国际(地区)合作与交流项目“Sp4 基因缺陷鼠脑免疫组化和蛋白质组学系统研究”(No. 81261120392, 项目负责人, 2013.01—2013.12, 30 万, 已结题)
12. 国家自然科学基金面上项目“运用超组学方法研究抗精神病药物处理小鼠的肝脏代谢紊乱”(No. 81271486, 项目负责人, 2013.01—2016.12, 70 万, 已结题)
13. 科技部重大科学研究计划课题“代谢相关的蛋白质的修饰的调控网络及其对代谢的作用”(No. 2012CB910102, 课题负责人, 2012.01—2016.08, 621 万, 已结题)
14. 上海交通大学“医工交叉研究基金”项目“少突胶质细胞及其分化调控因子 Olig2 在精神分裂症发病机制中的作用研究”(No. YG2011MS54, 项目组主要成员, 2012.01—2013.12, 10 万, 已结题)
15. 国家自然科学基金面上项目“运用超组学方法研究抗精神病药物处理小鼠的肝脏代谢紊乱”(No. 31071159, 项目负责人, 2011.01—2013.12, 38 万, 已结题)
16. 国家自然科学基金青年科学基金项目“精神分裂症蛋白质分子标记的研究”(No. 30700203, 项目负责人, 2008.01—2010.12, 17 万, 已结题)
17. 上海交通大学 SMC-晨星优秀青年教师奖 B 类计划“精神分裂症代谢标记物研究”(项目负责人, 2008.01—2010.12, 8 万, 已结题)
18. 科技部重大科学研究计划课题“常见精神疾病的代谢组学研究”(No. 2006CB910601, 课题负责人, 2006.01—2010.08, 411 万, 已结题)

## 发明专利

1. 用于精神分裂症诊断的血浆特异性蛋白获取方法及应用

发明人: 贺林, 万春玲, 江蕾, 喇玉娟, 朱慧, 杨异凤, 冯国鄞

申请号: 200510024102.8

授权号: 308588