



首页» 教师队伍» 博士生导师

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简介

主要从事抑郁症的发病机制及干预研究, 深入探索了情感记忆储存、去稳定化-再稳定化的动态更新过程, 提出了快速抗抑郁治疗的新假说, 并发现了靶向情感记忆、肠道菌群和神经免疫系统的新的干预策略。目前已发表SCI论文45篇, 申请专利3项并获得授权1项; 其中作为第一、共同第一/通讯作者发表SCI论文20篇, 包括Molecular Psychiatry (5篇)、Neuroscience and Biobehavioral Reviews (1篇)、Neuropsychopharmacology (2篇)、The Journal of Neuroscience (1篇) 和 Translational Psychiatry (3篇) 等期刊论文。担任中国心理学会生理心理专业委员会委员、中国毒理学会药物依赖性毒理学专业委员会青年委员和中国卒中学会脑健康分会青年委员。入选了第六届中国科协青年人才托举工程和北京市科协2021-2023年度青年人才托举工程。先后主持国家自然科学基金青年和面上项目、国家重点研发计划子课题和和国家脑计划青年项目子任务等10个项目。

研究方向

1. 肠道菌群在抑郁症及其共病睡眠障碍中的作用及脑-肠轴机制
2. 社会隔离应激导致精神行为异常的分子和神经环路机制
3. 小胶质细胞-神经元相互作用在神经突触修剪和抑郁症发病中的机制
4. 脑多靶点电刺激调控技术对抑郁症及其共病睡眠障碍的疗效评价及其机制
5. 病理性情感记忆储存和维持的神经机制

代表性论文论文 (# 共同第一作者, * 共同通讯作者)

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