

导师简介

姓名	桑明	
出生年月	1978年8月	
单位	湖北医药学院第四临床学院/附属襄阳市第一人民医院	
所属学科	临床医学-临床检验诊断学-肠道微生态、神经保护	
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研究方向	1. 神经退行性疾病 2. 肠道微生态	
个人简介	<p>桑明，男，1978年8月生，博士，教授，湖北医药学院和华中农业大学硕士研究生导师，英国莱斯特大学遗传系访问学者，湖北医药学院附属襄阳市第一人民医院转化医学研究中心主任、湖北医药学院第四临床学院副院长；湖北省帕金森病临床医学研究中心副主任；湖北省细胞外囊泡常务理事、中草药囊泡研究与应用专委会副主任委员，湖北省实验动物学会常务理事，湖北省生物信息学会理事，湖北省药理学会理事，湖北省神经科学学会青年工作委员会委</p>	

员。襄阳市政府津贴获得者。受聘北大核心期刊《中国比较医学杂志》、《中国实验动物学报》的编委和通讯编委。从事病毒感染与免疫、神经退行性疾病方向的研究工作。主持完成科研项目 6 项。发表论文 40 余篇，其中 SCI 收录论文 26 篇。参编专著 5 部。

科研项目与代表性成果

(1) 教学科研项目

1. 湖北省科技创新基地（平台）专项，认知功能障碍动物模型研发与共享平台，2020-2023，30 万，主持。
2. 湖北省对外科技合作项目，拉曼光谱技术在肿瘤早筛和诊断中的临床应用研究, 2019-2021，30 万，主持。
3. 湖北省自然科学基金计划项目，外泌体介导的细胞抗 HIV 免疫调节机制，3 万元，2017-2019，主持。
4. 湖北省科技厅面上项目，乳腺癌外泌体来源 RNA 介导肺转移前微环境形成的机制，2018-2020，第二参与者。
5. 襄阳市科技研究与开发项目，乳腺癌干细胞外泌体递送 PD-L2 促进肿瘤免疫逃逸研究，2020-2022，第二参与者。

(2) 专利或鉴定成果:

发明专利《一种恒河猴外周血单核巨噬细胞的培养方法及其应用》（专利号：CN104232579B）2004，中华人民共和国国家知识产权局，排名第 1；

(3) 获奖

《A 型肉毒毒素治疗局限性肌张力障碍的应用》，湖北省人民政府，湖北省科技进步奖，三等奖，2017，排名第 5

(4) 出版的学术专著和教材

1. 副主编，《医学遗传学（英文版）》，郑州大学出版社，2021 年。
2. 副主编，《医学生物学实验教程》，人民卫生出版社，2010 年。
3. 编委，《医学细胞生物学学习指导》，人民卫生出版社，2009 年。
4. 编委，《何首乌的传统与现代研究》，上海交通大学出版社，2021。
5. 副主编，《医学遗传学实验教程》，华中科技大学出版社，2024。

(5) 人才入选计划

2019 年 10 月获得 襄阳市政府津贴

代表作 (五年内)

- 1) Junjie Ye¹, Xiaodong Sun¹, Qi Jiang, Jianjun Gui, Shenglan Feng, Bingqing Qin, Lixia Xie, Ai Guo, Jinju Dong and **Ming Sang***. Umbilical cord blood-derived exosomes attenuate dopaminergic neuron damage of Parkinson's disease mouse model. *Journal of Nanobiotechnology*, 2024, 22:567. (一区, IF=10.6)
- 2) Yi-Zhong Wang, Jie-Liang Li, Xu Wang, **Ming Sang**, Wen-Zhe Ho*. Hepatic stellate cells, liver innate immunity, and hepatitis C virus. *J Gastroenterol Hepatol*, 2013, 28, 112-115. (三区, IF=4.1)
- 3) **Ming Sang**, Jin-Biao Liu, Ming Dai, Jian-Guo Wu and Wen-Zhe Ho*. Toll-Like Receptor 3 Signaling Inhibits Simian Immunodeficiency Virus Replication in Macrophages from Rhesus Macaques. *Antiviral Research* 2019, 112, 103-112. (二区, IF=7.6)
- 4) Zhouli, Jie-Liang Li, Yu Zhou, Jin-Biao Liu, Ke Zhuang, Jian-feng Gao, S Liu, **Ming Sang**, Jian-guo Wu and Wen-Zhe Ho*. Induction of interferon-lambda contributes to TLR3 and RIG-I activation-mediated inhibition of herpes simplex virus type 2 replication in human cervical epithelial cells. *Molecular human reproduction*, 2015, 21, 917-929. (二区, IF=4.0)
- 5) Ming Dai, Xu Wang, Jie-Liang Li, Yu Zhou, **Ming Sang**, Jin-Biao Liu, Jian-Guo Wu and Wen-Zhe Ho*. Activation of TLR3/interferons signaling pathway by bluetongue virus results in HIV inhibition in macrophages. *The Journal of the Federation of American Societies for Experimental Biology*, 2015, 29, 4978-4988. (二区, IF=4.8)
- 6) Sun, L., Zhou, Y., Wang, X., Li, J. L., Zhou, L., Sang, M., Zhuang, K., Xiao, Q. H., Ho, W. Z. HIV infection and/or Heroin use dysregulate the plasma exosome miRNA expression[J]. *Journal of Neuroimmune Pharmacology*, 2015, 10:S103-S103. (三区, IF=3.7)
- 7) Liu, X. Z., **Sang, M.A**, Zhang, X. A., Zhang, T. K., Zhang, H. Y., He, X., Li, S.X., Sun, X. D., Zhang, Z. M., Enhancing expression of SSU1 genes in *Saccharomyces uvarum* leads to an increase in sulfite tolerance and a transcriptome profile change. *FEMS YEAST RESEARCH*, 2017, 17. (三区, IF=3.2)
- 8) Xiaozhen Liu, Xiaoping Liu, Zhiming Zhang, **Ming Sang**, Xiaodong Sun, Chengzhong He, Peiyao Xin, Hanyao Zhang. Enhancing expression of SSU1 genes in *Saccharomyces uvarum* leads to an increase in sulfite tolerance and a transcriptome profile change, *FEMS YEAST RESEARCH*. 2017, 5,17(3). (三区, IF=3.2)

- 9) Xiaozhen Liu, Xiaoping Liu, zhiming Zhang, **Ming Sang**, Xiaodong Sun, Chengzhong He, Peiyao Xin, Hanyao Zhang. Functional analysis of FZF1 genes of *Saccharomyces uvarum*. *Frontiers in Microbiology*. 2018, 9, 96. (二区, IF=5.2)
- 10) Yue Liu, Wenjian Yang, Xiaodong Sun, Lixia Xie, Yi Yang, **Ming Sang** and Rong Jiao. SS31 Ameliorates Sepsis-Induced Heart Injury by Inhibiting Oxidative Stress and Inflammation. *Inflammation*. 2019, 42, 2170 - 2180, (二区, IF=5.1)
- 11) Yonghong Zhang , Lanlan Zheng, Yan Zheng, Chao Zhou, Ping Huang, Xiao Xiao, Yongheng Zhao, Xincui Hao, Zhubing Hu, Qinhua Chen, Hongliang Li, Xuanbin Wang, Kenji Fukushima, Guodong Wang* and Chen Li*. Assembly and Annotation of a Draft Genome of the Medicinal Plant *Polygonum cuspidatum*. *Frontiers in Plant Science*. 2019, 10. (二区, IF=5.6)
- 12) IRF1 promotes innate immune response to viral infection through enhancing the activation of IRF3. Wang Jingjing, Li Huiyi, Xue Binbin, Rilun Deng, Xiang Huang, Yan Xu, Shengwen Chen, Renyun Tian, Xintao Wang, Zhen Xun, **Ming Sang***, Haizhen Zhu. *Journal of virology*, 2020, 94. (二区, IF=5.4)
- 13) Pan Fu, Qiang Zhao, Li Shi, Qin Xiong, Hongxia Xu, Senmao Cai, Qianqian Xu, Xiaodong Sun, **Ming Sang***, Isolation and complete genome sequencing of the virulent phage vB_EcoS_XY3 infecting multidrug-resistant *Escherichia coli*, *Archives of Virology*. 2020, 166, 303-307. (三区, IF=2.7)
- 14) Xiaodong Sun, Qianqian Xu, Lian Zeng, Lixia Xie, Qiang Zhao, Hongxia Xu, Xuanbin Wang, Nan Jiang, Pan Fu, **Ming Sang***, Resveratrol Suppress the Growth and Metastatic Potential of Cervical Cancer through Inhibiting STAT3^{Tyr705} Phosphorylation, *Cancer Medicine*, 2020, 9 (22) ,8685-8700. (二区, IF=4.0)
- 15) Fan Zhang, Liya Yue, Xing Fang, Gengchao Wang, Cuidan Li, Xiaodong Sun, Xinmiao Jia, Jingjing Yang, Jinhui Song, Yu Zhang, Chongye Guo, Guannan Ma, **Ming Sang***, Fei Chen*, Puqing Wang*, Altered gut microbiota in Parkinson's disease patients/healthy spouses and its association with clinical features, *Parkinsonism & Related Disorders*, V81, 2020,84-88. (三区, IF=4.1)
- 16) Chai Senmao, Sun Xiaodong, Fu Chuhua, Xu Qianqian, Ren Zijing, Xie Lixia, Ge Jingjing, **Ming Sang***. Novel nonsense mutation p. Gln264Ter in the ANK1 confirms causative mole for Hereditary Spherocytosis: a case report, *BMC medical genetics*, 2020,21(1).
- 17) Xiaodong Sun, Pan Fu, Lixia Xie, Senmao Chai, Qianqian Xu, Lian Zeng,

Xuanbin Wang, Nan Jiang, **Ming Sang***. Resveratrol inhibits the progression of cervical cancer by suppressing the transcription and expression of HPV E6 and E7 genes. *International journal of molecular medicine*, 2021, 47(1), 335-345.

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- 18) Xincan Hao, Xiaodong Sun, Haizhen Zhu, Lixia Xie, Xuanbin Wang, Nan Jiang, Pan Fu*, **Ming Sang***. Hydroxypropyl- β -Cyclodextrin-Complexed Resveratrol Enhanced Antitumor Activity in a Cervical Cancer Model:*In Vivo* Analysis. *Frontiers in Pharmacology*. 2021,12,573909. (二区, IF=5.6)
- 19) Lian Zeng, Fuyu Zhang, Zhen Zhang, Min Xu, Yang Xu, Ying Liu, Hongxia Xu, Xiaodong Sun, **Ming Sang***, Luo H*. P53 inhibitor pifithrin- α inhibits ropivacaine-induced neuronal apoptosis via the mitochondrial apoptosis pathway. *J Biochem Mol Toxicol*. 2021, 35. (三区, IF=3.6)
- 20) Pan Fu, Qiang Zhao, Li Shi, Qin Xiong, Zijing Ren, Hongxia Xu, Senmao Chai, Qianqian Xu, Xiaodong Sun, **Ming Sang***. Identification and characterization of two bacteriophages with lytic activity against multidrug-resistant *Escherichia coli*. *Virus Research*, 2021, 291, 198196. (三区, IF=5.0)
- 21) Liangwei Mao, Yu Zhang, Jing Tian, **Ming Sang**, Guimin Zhang, Yuling Zhou, Puqing Wang. Cross-Sectional Study on the Gut Microbiome of Parkinson's Disease Patients in Central China, *Frontiers in Microbiology*, 2021, 12, 1-14. (二区, IF=5.2)
- 22) Chai Senmao, Sun Xiaodong, Fu Chuhua, Xu Qianqian, Ren Zijing, Xie Lixia, Ge Jingjing, **Ming Sang***. Identification and characterization of the inhibitory effect of ART on colorectal cancer cells using Raman spectroscopy. *Journal of Raman Spectroscopy*. 2022. 53(2), 191-201. (三区, IF=2.5)
- 23) Chai Senmao, Sun Xiaodong, Fu Chuhua, Xu Qianqian, Ren Zijing, Xie Lixia, Ge Jingjing, **Ming Sang***. A novel c. 3636-4 A>G mutation in the *CCDC88C* plays a causative role in familial spinocerebellar ataxia. *Human Heredity*. 2023, 88, 91-97. (四区, IF=1.8)
- 24) Bingqing Qin, Zhongshi He, Lixia Xie, Shenglan Feng, Junjie Ye, Jianjun Gui, Xiaodong Sun, **Ming Sang***. The augmentation of cytotoxic immune cell functionality through physical exertion bolsters the potency of chemotherapy in models of mammary carcinoma, *Cancer Medicine*, 2024, 13, 3. (二区, IF=4.0)
- 25) Xiaodong Sun, Shenglan Feng, Bingqing Qin, Junjie Ye, Lixia Xie, Jianjun Gui, **Ming Sang***. Integrated multi-omics profiling highlights the benefits of resveratrol hydroxypropyl- β -cyclodextrin inclusion complex for A53T transgenic mice through the microbiota-gut-brain axis, *Food & Function*, 2024,

15, 1489-1512. (一区, IF=6.1)

- 26) Shenglan Feng, Jianjun Gui, Bingqing Qin, Junjie Ye, Qiang Zhao, Ai Guo, Ming Sang, Xiaodong Sun. Resveratrol Inhibits VDAC1-Mediated Mitochondrial Dysfunction to Mitigate Pathological Progression in Parkinson's Disease Model. *Molecular Neurobiology*, 2024, (二区, IF=5.1)

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