

## 中西医硕博导师简介

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|---|--------------------|----|-----|------|-----|---|
| 学院  | 中西医结合学院            | 姓名 | 郭慧淑 | 性别   | 女   |  |
| 出生年月  | 1973. 07. 22       | 民族 | 朝鲜族 | 籍贯   | 辽宁省 |   |
| 硕博导师  | 博、硕导               | 职称 | 教授  | 最高学历 | 博士  |   |
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| <p><b>教育经历(按时间倒排序)</b></p> <p>2001/09-2004/06 延边大学 生理学专业 博士 许文燮</p> <p>1996/09-1999/06 延边医学院 生理学专业 硕士 金元哲</p> <p>1991/09-1996/06 延边医学院 临床医学专业 本科</p>  |                    |    |     |      |     |   |
| <p><b>工作经历(科研与学术工作经历, 按时间倒序写)</b></p> <p>2009/09-现在大连医科大学附属第一医院 中心实验室 教授</p> <p>2006/09-2009/08 大连医科大学附属第一医院 副教授</p> <p>2005/08-2006/08 大连医科大学附属第一医院 讲师</p> <p>2004/08-2005/07 美国伊利诺伊州州立大学 生物工程系 访问学者</p> <p>2001/09-2004/07 延边大学医学院 生理学教研室 讲师</p> <p>1999/09-2001/08 延边大学医学院 生理学教研室 助教</p> |                    |    |     |      |     |   |
| <p><b>学校及社会兼职:</b></p> <p>世界中医药学会联合会消化病专业委员会第二届理事会理事</p> <p>中国中药协会消化病药物研究专业委员会常务理事</p> <p>中国生理学会消化与营养专业委员会委员</p> <p>中华医学生物学免疫学会基础免疫学分会首届委员会委员</p> <p>第一届大连肿瘤学会常务理事、大连市中西医结合学会肝病分会常务理事</p> <p>中华医学会大连市医学会临床检验分会委员</p>  |                    |    |     |      |     |   |

中华医学会大连市医学会生化分会委员等社会兼职。

主要研究方向：

：

1. 胃肠动力障碍性疾病的离子通道机制研究
2. 中西医结合治疗炎症性肠病及结肠癌及相关机制研究
3. 光热纳米材料在结肠癌治疗中的应用及机制研究

教学工作：

承担实验诊断学及现代仪器学部分教学工作。

主要科研成果：

1. Xiong Yongjian, Deng Zhaobin, Liu Jiani, Qiu Juanjuan, Guo Li, Feng Panpan, Sui Jingru, Chen Dapeng\*, Guo Huishu\*. Enhancement of epithelial cell autophagy induced by sinensetin alleviates epithelial barrier dysfunction in colitis. Pharmacol Res. 2019 Oct;148:104461. (IF=5.574)
2. Boshu Ouyang, Funan Liu, Shuangrong Ruan, Yao Liu, Huishu Guo\*, Zhengxu Cai, Xiangrong Yu\*, Zhiqing Pang\*, Shun Shen\*. Localized free radicals burst triggered by NIR-II light for augmented low-temperature photothermal therapy. ACS Applied Materials & Interfaces. 2019, 11, 38555–38567. (IF=8.456)
3. Yongjian Xiong, Juanjuan Qiu, Changyi Li, Yang Qiu, Li Guo, Yuejian Liu, Jiajia Wan, Yuchun Li, Guokai Wu, Liang Wang, Zijuan Zhou, Jianyi Dong, Chunhua Du, Dapeng Chen and Huishu Guo\*. Fortunellin-Induced Modulation of Phosphatase and Tensin Homolog by MicroRNA - 374a Decreases Inflammation and Maintains Intestinal Barrier Function in Colitis. Front Immunol. 2018; 9: 83. (IF=5.511)
4. Yao Liu, Xuejun Wang, Boshu Ouyang, Xianping Liu, Yang Du, Xuzheng Cai, Huishu Guo\*, Zhiqing Pang\*, Wuli Yang\*, Shun Shen\*. Erythrocyte-Platelet Hybrid Membranes Coating Polypyrrol Nanoparticles for Enhanced Delivery and Photothermal Therapy. Journal of Materials Chemistry B. 2018, 6, 7033—7041. (IF=5.047)
5. Xuejun Wang#, Yao Liu#, Zhe Liu, Junxiu Hu, Huishu Guo\*, Fei Wang\*,

- Synergistic chemo-photothermal therapy of tumor by hollow carbon nanospheres, *Biochem Biophys Res Commun*, 2018, 495(1):867–872 (IF=2.466)
6. Xuejun Wang, Haichun Li, Xianping Liu, Ye Tian, Huishu Guo\*, Ting Jiang, Zimiao Luo, Kai Jin, Xinping Kuai, Yao Liu, Zhiqing Pang\*, Wuli Yang\*, Shun Shen\*, Enhanced photothermal therapy of biomimetic polypyrrole nanoparticles through improving blood flow perfusion, *Biomaterials*, 2017, 143:130–141. (IF=8.4)
  7. Juanjuan Qiu, Zhe Liu, Peng Zhao, Xuejun Wang, Yuchun Li, Hua Sui, Lawrence Owusu, Huishu Guo\*, Zhengxu Cai\*. Gut microbial diversity analysis using Illumina sequencing for functional dyspepsia with liver depression-spleen efficiency syndrome and the interventional Xiaoyaosan in a rat model, *World J Gastroenterol*, 2017, 23(5):810–816 (IF=3.365)
  8. Xiong YJ#, Wang CO#, Shi LQ#, Wang L, Zhou ZJ, Chen DP\*, Wang JY\*, Guo HS\*. Myosin light chain kinase: a potential target for treatment of inflammatory diseases, *Front. Pharmacol*, 2017, 23;8:292 (IF=4.418)
  9. Xiong Y, Wang J, Chu H, Chen D, Guo H\*. Salvianolic Acid B Restored Impaired Barrier Function via Downregulation of MLCK by microRNA-1 in Rat Colitis Model. *Front Pharmacol*. 2016 May 26;7:134 (IF=4.418)
  10. Cai Z, Li S, Li S, Song F, Zhang Z, Qi G, Li T, Qiu J, Wan J, Sui H, Guo H\*. Antagonist Targeting microRNA-155 Protects against Lithium-Pilocarpine-Induced Status Epilepticus in C57BL/6 Mice by Activating Brain-Derived Neurotrophic Factor. *Front Pharmacol*. 2016 May 31;7:129. (IF=4.418)
  11. Zhengxu Cai, Pin Liang, Jize Xuan, Jiajia Wan, Huishu Guo\*. ECRG4 as a novel tumor suppressor gene inhibits colorectal cancer cell growth in vitro and in vivo. *Tumor Biol*. 2016 Jan 14 (IF=3.611)
  12. Lin XL, Tang XD, Cai ZX, Wang FY, Li P, Sui H, Guo HS\*. NPs/NPRs Signaling Pathways May Be Involved in Depression-Induced Loss of Gastric ICC by Decreasing the Production of mSCF. *PLoS One*. 2016 Feb 10;11(2): e0149031. (IF=3.234)
  13. Zhu T, Qiu J, Wan J, Wang F, Tang X, Guo H\*. Expression of serotonin receptors in the colonic tissue of chronic diarrhea rats. *Saudi J Gastroenterol*. 2016, 22(3):234–239. (IF=1.312)
  14. Zhang R, Guo H (共同第一), Xu J, Li B, Liu YJ, Cheng C, Zhou C, Zhao Y, Liu Y. Activated platelets inhibit hepatocellular carcinoma cell differentiation and promote tumor progression via platelet-tumor cell binding. *Oncotarget*. 2016 Sep 13;7(37):60609–60622 (IF=5.168)
  15. Zheng Xu Cai, Xu Dong Tang, He Li Gao, Chuanning Tang, Vijayalakshmi Nandakumar, Lindsey Jones, and Hui Shu Guo\*. APC, FBXW7, KRAS, PIK3CA, and TP53 gene mutations in human colorectal cancer tumors frequently detected by Next-Generation DNA. *Journal of Molecular and Genetic Medicine*, 2015, 4(8):1–11 (美国核心期刊)

16. Zheng Xu Cai , Xu dong Tang, Feng yun Wang, Zhi jun Duan, Yu chun Li, Juan juan Qiu, Hui shu Guo\*. Effect of gingerol on colonic motility via inhibition of calcium channel current. World Journal of Gastroenterology, 2015 (IF=2. 369).
17. Zheng-Xu Cai , Hui-Shu Guo\* , Che Wang , Min Wei, Cheng Cheng , Zhao-Fei Yang, Yin-Wang Chen, Wei-Dong Le, Song Li. Double-edged roles of nitric oxide signaling on APP processing and amyloid- $\beta$  production in vitro: Preliminary evidence from sodium nitroprusside. Neurotox Res. 2015 Oct 1 (IF=3. 538)
18. Ge liang Liu, Chao Wang, Hailong Chen, Jingwen Zhang, Hui shu Guo\*, Effects and mechanisms of alveolar type II epithelial cell apoptosis in severe pancreatitis-induced acute lung injury. Experimental and Therapeutic Medicine 2014, 3(7) :565-572. (IF=1. 269)
19. Li P, Tang XD, Cai ZX, Qiu JJ, Lin XL, Zhu T, Owusu L, Guo HS\*. CNP signal pathway up-regulated in rectum of depressed rats and the interventional effect of Xiaoyaosan. World Journal of Gastroenterology 2014, 5(21) :1518-1530 (IF=2. 369)
20. Yin L, Guo H\*, Zhao L, Wang J. The programmed death-1 gene polymorphism (PD-1.5 C/T) is associated with non-small cell lung cancer risk in a Chinese Han population. International Journal of Clinical and Experimental Medicine 2014, 12(7) :5832-5836. (IF=1. 277)

主要学术论著:

主持的主要研究项目:

主持课题:

1. 国家科技部重大科学研究计划“973”项目:从胃肠动力角度探讨从“脾论治”FD及功能性腹泻的效应机制(2013HZ114)子课题分中心负责人 38万
2. 国家自然科学基金面上项目:肝郁脾虚证大鼠胃肠钠尿肽信号通路的变化及疏肝健脾法干预机制(81273919)项目负责人。(70+70)万
3. 国家自然科学基金: D型钠尿肽抑制胃动力的相关机制研究(NO. 30800382)项目负责人 (20+20)万
4. 辽宁省重大研发计划(2020年):低温光热联合 PD-1 通过诱导自由基的释放及激活免疫抑制结直肠肿瘤生长及转移的基础应用研究 (30+30)万
5. 辽宁省自然科学基金:钠尿肽信号通路对抑郁大鼠胃运动的调控及疏肝健脾法的干预机制(2013023002)项目负责人 10万
6. 辽宁省高等学校优秀人才支持计划:钠尿肽信号通路上调引起胃肠运动障碍及逍遥散的干预作用(LJQ2013094)项目负责人 12万
7. 大连市科技计划项目: D型钠尿肽对胃动力的调节及其离子通道机制的研究 项目负责人 6万