

● 个人简介

贾阳阳，博士，硕士研究生导师，毕业于华中科技大学同济医学院。主要从事心肌损伤与重构方面研究。以第一作者或通讯作者发表SCI论文5篇，并参与发表SCI论文6篇。主持河南省科技攻关项目1项，参与国家自然科学基金2项，河南省研究生教改和质量提升工程项目1项，获河南省科学技术成果奖1项，申请发明专利2项。



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● 研究方向

心肌重塑

● 招生方向

学术型研究生：心肌重塑

● 教育经历

2015/09-2019/06：华中科技大学人体解剖与组织胚胎学专业，获博士学位；

2011/09-2014/06：新乡医学院人体解剖与组织胚胎学专业，获硕士学位

2009/09-2011/06：河南科技大学护理学专业，获学士学位

● 工作经历

2019/10-至今，新乡医学院，讲师

● 承担项目

1. 小鼠胚胎发育过程中Smoothed对心房颤动相关基因表达调控的研究，国家自然科学基金面上项目，55万元，参与者，No, 82170237, 2022-2025, 在研.

2. 间充质干细胞来源的外泌体治疗心肌梗死的分子影像学研究, 国家自然科学基金联合基金项目, 50万元, 参与者, No,U2004126, 2021-2023, 结题.
3. PLGA缓释CHIR99021和FGF2协同分子对改善缺血性心肌纤维化的应用研究, 河南省科技攻关, 10万元, 主持, No,222102310094, 2022-2024, 结题.

● 代表性论文

1. Yangyang Jia, Yuqiao Chang, Zhikun Guo, He Li. Transcription factor Tbx5 promotes cardiomyogenic differentiation of cardiac fibroblasts treated with 5 - azacytidine, *J Cell Biochem*, 2019, 120(10): 16503-16515.
2. Yangyang Jia, Yuqiao Chang, Panwen Sun, He Li, Zhikun Guo. Inhibition of profibrotic signalling enhances the 5-azacytidine-induced reprogramming of fibroblasts into cardiomyocytes, *Int J Biochem Cell Biol*, 2020, 122.
3. Xiangqin Tian, Yangyang Jia, Yonglong Guo, Hongyin Liu, Xinhua Cai, Yong Liu, Zhuangzhuang Tian, Changye Sun. Fibroblast growth factor 2 acts as an upstream regulator of inhibition of pulmonary fibroblast activation, *FEBS Open Bio*, 2023, 13(10): 1895-1909.
4. Changye Sun, Mengru Bai, Yangyang Jia, Xiangqin Tian, Yonglong Guo, Xinhui Xu, Zhikun Guo. mRNA sequencing reveals the distinct gene expression and biological functions in cardiac fibroblasts regulated by recombinant fibroblast growth factor 2, *PeerJ*, 2023, 11: e15736.
5. Changye Sun, Xiangqin Tian, Yangyang Jia, Mingming Yang, Yong Li, David G Fernig. Functions of exogenous FGF signals in regulation of fibroblast to myofibroblast differentiation and extracellular matrix protein expression., *Open Biology*, 2022, 12(9): 210356-210356.
6. Danyang Chang, Changye Sun, Xiangqin Tian, Hongyin Liu, Yangyang Jia, Zhikun Guo. Regulation of cardiac fibroblasts reprogramming into cardiomyocyte-like cells with a cocktail of small molecule compounds. *FEBS Open Bio*. 2024;14(6):983-1000.
7. Yuqiao Chang, Cixia Li, Yangyang Jia, Zhikun Guo. CD90+ cardiac fibroblasts reduce fibrosis of acute myocardial injury in rats. *Int J Biochem Cell Biol*. 2018;96:20-28.
8. Cixia Li, Yuqiao Chang, Yangyang Jia, Zhikun Guo. A new structure from cardiac cells cultured in vitro: Cardiomyocyte-annulation of neonatal rats. *J Cell Biochem*. 2019;120(10):18533-18543.

● 成果奖励

间充质干细胞亚群及其外泌体凝胶在心梗等缺血性疾病中的应用. 河南省教育厅科技成果一等奖, 第八完成人. 2022.03.