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**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 54543

**Manuscript Type:** ORIGINAL ARTICLE

*Basic Study*

**Hsa\_circRNA\_102610 upregulation in Crohn's disease promotes TGF- $\beta$ 1-induced epithelial-mesenchymal transition *via* sponging of hsa-miR-130a-3p**

Yin J *et al.* Hsa\_circRNA\_102610 promotes EMT by sponging hsa-miR-130a-3p

Juan Yin, Yu-Lan Ye, Tong Hu, Li-Juan Xu, Li-Ping Zhang, Ru-Ning Ji, Ping Li,

Qian Chen, Jian Yun Zhu, Zhi Bang

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Aug 16, 2019 · 1. INTRODUCTION. Autophagy is a well-organized homeostatic cellular process through which diverse cytoplasmic cargos are captured and destroyed to replenish energy sources and amino acids during metabolic stress. 1, 2 Autophagy process comprises three steps: the first step is when autophagy-related gene (ATG) drives the cup-shaped isolation membrane to decompose into ...

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Aug 16, 2019 · MicroRNAs can cause autophagy **upregulation** or downregulation by targeting genes or affecting autophagy-related signaling pathways. ... Lu et al. provide evidence showing that increased c-Myc in **Crohn's disease** individuals ... Its development and occurrence are closely associated with tumor angiogenesis. 84-86 A **transforming growth** factor ...

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### [406947 - Gene ResultMIR155 microRNA 155 \[ \(human\)\]](#)

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Apr 11, 2020 · A microRNA miR-155 regulates **transforming growth** factor-beta TGF-beta-induced human coronary artery endothelial cells fibrogenic endothelial-mesenchymal **transition via** the regulator of TGF-beta signaling c-Ski to affect cardiac fibrosis, and miR-155/c-Ski may represent novel biomarkers and therapeutic targets for cardiac fibrosis.

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The loss of cartilage cells, osteocyte, and osteoblasts is hypothesized to drive SANFH 5,6 , although the type of cell death is not completely clear.

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