[温州医科大学附属二院Molecular Cancer被质疑](https://mp.weixin.qq.com/s?__biz=MzUxODcwODMzMw==&mid=2247484035&idx=1&sn=34a1306cd5bb178a32815557ca607cbe)

原创一只鱼[严肃科研](javascript:void(0);)2025-04-08 21:35:27四川

**“**秉持严谨、深入、持续、开放与创新的态度，尊重他人成果，携手交流共进，推动科研发展。**”**

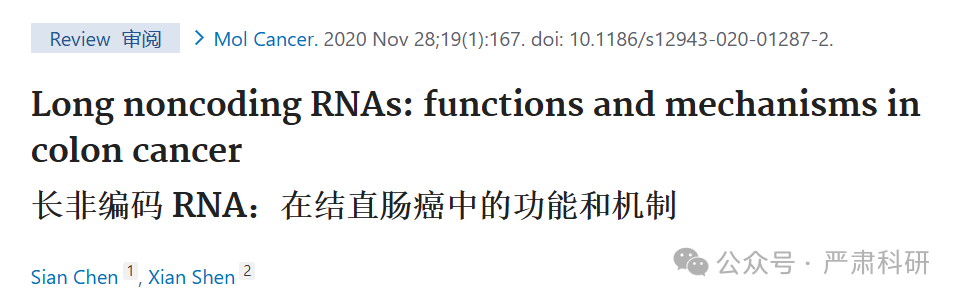
**Research Frontline**

**科研前线**

01

—

**问题论文**



**标题：**Long noncoding RNAs: functions and mechanisms in colon cancer

**期刊：**Molecular Cancer

**单位：**温州医科大学附属第二医院

**发表时间：**2020年11月28日

**DOI:**10.1186/s12943-020-01287-2

**研究摘要：**

Evidence indicates that long non-coding RNAs (lncRNAs) play a crucial role in the carcinogenesis and progression of a wide variety of human malignancies including colon cancer. In this review, we describe the functions and mechanisms of lncRNAs involved in colon oncogenesis, such as HOTAIR, PVT1, H19, MALAT1, SNHG1, SNHG7, SNHG15, TUG1, XIST, ROR and ZEB1-AS1. We summarize the roles of lncRNAs in regulating cell proliferation, cell apoptotic death, the cell cycle, cell migrative and invasive ability, epithelial-mesenchymal transition (EMT), cancer stem cells and drug resistance in colon cancer. In addition, we briefly highlight the functions of circRNAs in colon tumorigenesis and progression, including circPPP1R12A, circPIP5K1A, circCTIC1, circ\_0001313, circRNA\_104916 and circRNA-ACAP2. This review provides the rationale for anticancer therapy via modulation of lncRNAs and circular RNAs (circRNAs) in colon carcinoma.  
证据表明，长非编码 RNA（lncRNA）在包括结直肠癌在内的多种人类恶性肿瘤的发生和发展中起着至关重要的作用。在本综述中，我们描述了参与结直肠癌发生发展的 lncRNA 的功能和机制，如 HOTAIR、PVT1、H19、MALAT1、SNHG1、SNHG7、SNHG15、TUG1、XIST、ROR 和 ZEB1-AS1。我们总结了 lncRNA 在调节细胞增殖、细胞凋亡死亡、细胞周期、细胞迁移和侵袭能力、上皮-间质转化（EMT）、癌干细胞和结直肠癌耐药性中的作用。此外，我们简要概述了 circRNA 在结直肠癌发生发展中的作用，包括 circPPP1R12A、circPIP5K1A、circCTIC1、circ\_0001313、circRNA\_104916 和 circRNA-ACAP2。本综述提供了通过调节结直肠癌中的 lncRNA 和环状 RNA（circRNA）进行抗癌治疗的依据。

02

—

**具体说明**

#1 **Guillaume Cabanac** comment accepted April 2025  
评论通过，2025 年 4 月

Readers should reassess the reliability of this document as its bibliography includes **9 questioned references** that are likely to be unreliable. So far, the following have been spotted:  
读者应重新评估该文件的可靠性，因为其参考文献包括 9 个可能不可靠的存疑引用。迄今为止，以下已被发现：

| **Questioned References Cited 质疑的参考文献** | **Details  细节** |
| --- | --- |
| 10.2741/4790   retraction  10.2741/4790 撤稿 | [2019] *Frontiers in Bioscience-Landmark*: Resveratrol enhances chemosensitivity of renal cell carcinoma to paclitaxel.. Ke Ying Jie ? Chen Ling Wei ? Zhou Min ? Guo Jia Ping ? Wang Ying ? Zheng Dan ? Zhong Sen [2019] 生物科学前沿-里程碑：白藜芦醇增强肾细胞癌对紫杉醇的化疗敏感性。柯英杰 ? 陈玲伟 ? 周敏 ? 郭家平 ? 王颖 ? 郑丹 ? 钟森 |
| 10.1016/j.yexmp.2019.01.003   retraction 10.1016/j.yexmp.2019.01.003 撤稿 | [2019] *Experimental and Molecular Pathology*: Ginsenoside Rg3 inhibits cell growth, migration and invasion in Caco-2 cells by downregulation of lncRNA CCAT1. Jinliang Li ? Yuxi Qi [2019] 实验与分子病理学：通过下调 lncRNA CCAT1，人参皂苷 Rg3 抑制 Caco-2 细胞的生长、迁移和侵袭。李金亮 ? 邱宇熙 |
| 10.1038/s41419-019-1352-4   retraction 10.1038/s41419-019-1352-4 撤稿 | [2019] *Cell Death & Disease*: RETRACTED ARTICLE: Long noncoding RNA LINC01234 promotes serine hydroxymethyltransferase 2 expression and proliferation by competitively binding miR-642a-5p in colon cancer. Changwei Lin ? Yi Zhang ? Yifei Chen ? Yang Bai ? Yi Zhang [2019] 细胞死亡与疾病：撤稿文章：长非编码 RNA LINC01234 通过竞争性结合 miR-642a-5p 促进丝氨酸羟甲基转移酶 2 表达和结直肠癌增殖。林长伟 ? 张毅 ? 陈一飞 ? 白杨 ? 张毅 |
| 10.3727/096504018x15234931503876   retraction 10.3727/096504018x15234931503876 撤稿 | [2018] *Oncology Research Featuring Preclinical and Clinical Cancer Therapeutics*: Long Noncoding RNA LINC01296 Harbors miR-21a to Regulate Colon Carcinoma Proliferation and Invasion. Kecheng Wang ? Meng Zhang ? Cong Wang ? Xiaofei Ning [2018] 肿瘤学研究：临床前和临床癌症治疗学——长非编码 RNA LINC01296 携带 miR-21a 调节结直肠癌增殖和侵袭。王克成 ? 张萌 ? 王聪 ? 宁晓飞 |
| 10.12659/msm.910955   retraction 10.12659/msm.910955 撤稿 | [2018] *Medical Science Monitor*: Long Noncoding RNA Plasmacytoma Variant Translocation 1 (PVT1) Promotes Colon Cancer Progression via Endogenous Sponging miR-26b. Rui Zhang ? Jibin Li ? Xiaofei Yan ? Keer Jin ? Wenya Li ? Xin Liu ? Jianfeng Zhao ? Wen Shang ? Yefu Liu [2018] 医学科学监测：长非编码 RNA 浆细胞瘤变异转位 1（PVT1）通过内源性吸附 miR-26b 促进结直肠癌进展。张瑞 ? 李吉斌 ? 颜晓飞 ? 金克 ? 李文雅 ? 刘欣 ? 赵建峰 ? 商文 ? 刘业富 |
| 10.26355/eurrev\_201810\_16042   retraction 10.26355/eurrev\_201810\_16042 撤稿 | [2018] *European review for medical and pharmacological sciences*: LINC00657 promotes the development of colon cancer by activating PI3K/AKT pathway.. Y Lei ? Y-H Wang ? X-F Wang ? J Bai [2018] 欧洲医学与药理学评论：LINC00657 通过激活 PI3K/AKT 通路促进结直肠癌的发展。李磊 ? 王彦辉 ? 王晓峰 ? 白杰 |
| 10.1016/j.biopha.2018.08.017   retraction 10.1016/j.biopha.2018.08.017 撤稿 | [2018] *Biomedicine & Pharmacotherapy*: Long non-coding RNA HULC interacts with miR-613 to regulate colon cancer growth and metastasis through targeting RTKN. Yan Dong ? Mao-Hua Wei ? Jin-Gen Lu ? Chong-Yao Bi [2018] 生物医学与药物治疗：长非编码 RNA HULC 通过与 miR-613 相互作用，通过靶向 RTKN 调节结直肠癌的生长和转移。杨东 ? 毛华伟 ? 陆金根 ? 毕崇耀 |
| 10.3892/ijo.2017.3941   retraction 10.3892/ijo.2017.3941 撤稿 | [2017] *International Journal of Oncology*: H19 promotes the migration and invasion of colon cancer by sponging miR-138 to upregulate the expression of HMGA1. Qingqiang Yang ? Xin Wang ? Chunyan Tang ? Xuan Chen ? Jianjun He [2017] 国际肿瘤学杂志：H19 通过海绵吸附 miR-138 上调 HMGA1 的表达，从而促进结直肠癌的迁移和侵袭。杨庆强 ? 王欣 ? 唐春燕 ? 陈璇 ? 何建军 |
| 10.3349/ymj.2019.60.4.319 | [2019] *Yonsei Medical Journal*: Regulation Mechanism of Long Noncoding RNAs in Colon Cancer Development and Progression. Xiaohuan Tang ? Xiaofang Qiao ? Chao Chen ? Yuanda Liu ? Jiaming Zhu ? Jingjing Liu [2019] 韩国延世医学院学报：结肠癌发生和进展中长非编码 RNA 的调控机制。唐晓欢 ? 桥晓芳 ? 陈超 ? 刘远达 ? 朱家明 ? 刘晶晶 |

According to Dimensions, this article has been cited 250 times.  
根据 Dimensions，本文已被引用 250 次。

Flagged by the *Problematic Paper Screener*, Feet of Clay Detector.  
被问题论文筛选器、易碎脚探测器标记

**参考信息  
https://pubmed.ncbi.nlm.nih.gov/33246471/**

**https://pubpeer.com/publications/571DD95FADB53788E921FA6A589F5B#0**

**本平台对于科研问题的探讨，始终保持严谨、深入、持续、开放和创新的态度。**

**所有推文信源，均来源于pubpeer、For Better Science等网站公开质疑。**

**我们从来没有、也永远不会主动查重论文并去pubpeer上质疑。**

**我们尊重他人的研究成果和贡献，通过交流和合作，共同推动科研领域的进步和**

**发展。**