

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 64713

Title: Regulatory RNAs, microRNA, long-non coding RNA and circular RNA roles in colorectal cancer stem cells

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05198253

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Academic Research, Chief Doctor, Doctor, Research Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: Taiwan

Manuscript submission date: 2021-02-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-19 04:54

Reviewer performed review: 2021-06-22 16:27

Review time: 3 Days and 11 Hours

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|--------------------|---|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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|-------------------------------------|---|
| Peer-reviewer statements | Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous |
| | Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No |

SPECIFIC COMMENTS TO AUTHORS

In this paper, the authors have comprehensively described in detail the regulation of regulatory RNAs in colorectal carcinoma stem cells and the related mechanisms, including miRNA, lncRNA, and circRNA. The article is well organized, logical, and informative, with some innovation, and no previous review was conducted to summarize this topic, and the language was also embellished. Suggested for acceptance after proper revision. The authors need to address the following issues. 1. I suggested that the authors may add a section on the use of ncRNA in colorectal cancer (treatment) and the related clinical trial, as well as the corresponding Challenges and Prospection. 2. It is suggested that the authors could add a Table listing the relevant ncRNAs and their functions, targets, and references, so that readers can quickly identify the ncRNAs of interest and find the corresponding literature. 3. In the previous literature, there has been studies on colorectal cancer related miRNA mechanism diagrams, the authors may consider adding lncRNA and circRNA related mechanism diagrams to increase the readability of the article and present the related mechanism to the readers well. 4. The author may need to update the literature while revising the manuscript, including some of the latest related research in each part (2021/1-2021/6) Such as: Identification and Validation of New Cancer Stem Cell-Related Genes and Their Regulatory microRNAs in Colorectal Cancerogenesis. Stem cells as therapeutic targets in colorectal cancer..... 5. "designation of co-first authors and/or co-corresponding authors is not permitted." This rule of BPG should be considered.

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Title: Regulatory RNAs, microRNA, long-non coding RNA and circular RNA roles in colorectal cancer stem cells

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05771662

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Taiwan

Manuscript submission date: 2021-02-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-19 00:44

Reviewer performed review: 2021-06-27 15:15

Review time: 8 Days and 14 Hours

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|--------------------|---|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

| | |
|-------------------------------------|---|
| Peer-reviewer statements | Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No |
|-------------------------------------|---|

SPECIFIC COMMENTS TO AUTHORS

1. This article summarized recent researches on the role of microRNA, long-non coding RNA and circular RNA in colon cancer stem cells. 2. It would be better if there were some the opinion of author for the three kind of RNA 3. The author should point out whether targeted RNA therapy has limitations in clinical applications