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Flat C, 23/F., Lucky Plaza,  
315-321 Lockhart Road,  
Wan Chai, Hong Kong, China

## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6479

**Title:** Non-coding RNAs and gastric cancer

**Reviewer code:** 01220065

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-10-22 14:48

**Date reviewed:** 2013-11-26 20:42

| CLASSIFICATION                               | LANGUAGE EVALUATION  | RECOMMENDATION                      | CONCLUSION   |
|--|--|-------------------------------------|--|
| <input type="checkbox"/> Grade A (Excellent) | <input type="checkbox"/> Grade A: Priority Publishing                | Google Search:                      | <input type="checkbox"/> Accept                        |
| <input type="checkbox"/> Grade B (Very good) | <input type="checkbox"/> Grade B: minor language polishing           | <input type="checkbox"/> Existed    | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C (Good)      | <input type="checkbox"/> Grade C: a great deal of language polishing | <input type="checkbox"/> No records | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D (Fair)      | <input type="checkbox"/> Grade D: rejected                           | BPG Search:                         | <input type="checkbox"/> Minor revision                |
| <input type="checkbox"/> Grade E (Poor)      |  | <input type="checkbox"/> Existed    | <input type="checkbox"/> Major revision                |
|  |  | <input type="checkbox"/> No records |  |

## COMMENTS TO AUTHORS

Li et al. present an interesting review paper on the Non-coding RNAs and gastric cancer. Recent years, the key role of Non-coding RNAs in cancers are increasing demonstrated by researchers and the authors are one of the leading researchers in the field of investigating the role of different microRNAs in gastric cancer in China. Although most of descriptions within the paper are interesting, the paper includes required features. 1. The manuscript was poorly written, many grammatical mistakes and spelling errors could be found through out the paper, even in the section of Abstract, for example line 20: "tumorigenesis" should be changed into "tumorigenesis", line 8: "They interrupt cellular signaling pathways, inhibit the activities tumor suppressor genes...", should be changed into "They interrupt cellular signaling pathways, inhibit the activities of tumor suppressor genes...". In addition, some sentences in the paper are hard to understand, for example: "Gastric antrum pyloric area is the largest, gastric cardia area second, while gastric body slightly less". Except these, the paper should be more refined and non-relevant materials should be ruled out. 2. The quality of the figures should be improved, words in the figures should be in uniform format, for example in figure 1: "deregulation" should be changed into "Deregulation". 3. Some conclusions in the paper are not accurate, for example: in the section of "MiRNAs and cellular signaling pathways in gastric cancer", the authors declare: "However, over-expression of miR-375 in gastric cancer significantly reduced the protein level of JAK2, while the level of JAK2 mRNA was not greatly affected. These results suggested that miR-375 may affect the JAK2 pathway", since the miR-375 could reduce the protein level of JAK2 but not the mRNA which should hint that miR-375 affect the JAK2 pathway post-translationally not post-transcriptionally, I suggest the authors make some necessary changes. 4. In the Introduction section, I suggest the authors include some descriptions of cancer stem cells since



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cancer stem cells are more and more popular in cancer research. To this end, I recommend the authors reference some papers published recently like: Yan et al, Evid Based Complement Alternat Med. 2013;2013:268468. 5. The family of Non-coding RNAs includes a wide range of RNAs, in the paper, the authors discussed the role of miRNAs, lncRNAs, piRNAs in gastric cancer, however, I think the authors ignored the important role of siRNA in this field. Thus, I would like to suggest the authors add an additional section to discuss the role of siRNAs in gastric cancer.



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

**ESPS Manuscript NO:** 6479

**Title:** Non-coding RNAs and gastric cancer

**Reviewer code:** 00504497

**Science editor:** Wen, Ling-Ling

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**Date reviewed:** 2013-12-30 10:27

| CLASSIFICATION                                     | LANGUAGE EVALUATION   | RECOMMENDATION                      | CONCLUSION   |
|--|---|-------------------------------------|--|
| <input type="checkbox"/> Grade A (Excellent)       | <input type="checkbox"/> Grade A: Priority Publishing                 | Google Search:                      | <input type="checkbox"/> Accept                        |
| <input type="checkbox"/> Grade B (Very good)       | <input checked="" type="checkbox"/> Grade B: minor language polishing | <input type="checkbox"/> Existed    | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C (Good) | <input type="checkbox"/> Grade C: a great deal of language polishing  | <input type="checkbox"/> No records | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D (Fair)            | <input type="checkbox"/> Grade D: rejected                            | BPG Search:                         | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade E (Poor)            |   | <input type="checkbox"/> Existed    | <input checked="" type="checkbox"/> Minor revision     |
|  |   | <input type="checkbox"/> No records | <input type="checkbox"/> Major revision                |

## COMMENTS TO AUTHORS

In this paper, Li et al. review the non-coding RNAs in gastric cancer and their roles in gastric cancer. The mortality rate of gastric cancer is still high, and the understanding of gastric carcinogenesis is indispensable. This paper is generally well written. However, I suggest several points to make this paper more intelligible: 1. Compared to other titles, the subtitle “MiRNAs and cellular signaling pathways in gastric cancer” seems not to adequate and have to change. The title and subtitle as “piRNAs and gastric cancer and LncRNA and gastric cancer” are same in text and make confuse to read. 2. Table 1 is recommended to divide 3 tables for each miRNA, piRNA, IncRNA with providing the target genes. 3. There are some typo error and the review of English grammar is required.



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| CLASSIFICATION          | LANGUAGE EVALUATION                             | RECOMMENDATION | CONCLUSION                        |
|-------------------------|---|----------------|-----------------------------------|
| [ ] Grade A (Excellent) | [ ] Grade A: Priority Publishing                | Google Search: | [ ] Accept                        |
| [ ] Grade B (Very good) | [ ] Grade B: minor language polishing           | [ ] Existed    | [ ] High priority for publication |
| [Y] Grade C (Good)      | [Y] Grade C: a great deal of language polishing | [ ] No records | [ ] Rejection                     |
| [ ] Grade D (Fair)      | [ ] Grade D: rejected                           | BPG Search:    | [ ] Minor revision                |
| [ ] Grade E (Poor)      |   | [ ] Existed    | [Y] Major revision                |
|                         |   | [ ] No records |                                   |

## COMMENTS TO AUTHORS

This work covers the recent progress of Non-coding RNAs in gastric cancer. The topic is very good, which provides the reader a research summary on the roles of Non-coding RNAs in gastric cancer pathogenesis. Scientifically, the manuscript is correct and with merit, but writing style and English language statement need much improvement. The text also comes with numerous typos, grammatical errors. Specifically, this reviewer feels that a number point require the attention from authors to improve the quality of work and make the presentation more attractive. 1. The work touches a number of miRNAs recently reported in literature, but organization of the material is not in a logical way and is not centered at molecular mechanism or pathogenesis of miRNA in gastric cancer, therefore very scattered and fail to provide the reader with a concise, up-to-point summary. 2. All figures do not come with legends; thus make it hard for readers to understand the messages delivered from them. 3. H. pylori infection is an important etiological factor for gastric cancer, and this is not mentioned in the introduction, it also activate a number of miRNA which might contribute to the initiation or development of gastric cancer. 4. Lack of future research direction in the conclusion part, also a brief comment or link is required for each sub-division to direct the reader's attention between different sections.