

ANSWERING REVIEWERS



February 6, 2014

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 6479-review.doc).

Title: Non-coding RNAs and gastric cancer

Authors: Peifei Li, Shengcan Chen, Tian Xia, Xiaoming Jiang, Yongfu Shao, Bingxiu Xiao, Junming Guo

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 6479

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

Respond to Reviewer #1

Comment (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.

Response: Sorry about that. The manuscript has been edited by American Journal Experts, an English language editing company recommended by the editor. **(Please see the Certificate)**

Comment (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”.

Response: Thank you for your constructive comments. They have been improved. The words in the figures have been changed. **(Figure 1)**

Comment (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.

Response: Yes, you are right. Thank you for your advice. The sentence has been changed. **(Page 8, Section “miRNAs and cellular signaling pathways in gastric cancer”, Paragraph 2, Lines 6-7)**

Comment (4): In the Introduction section, I suggest the authors include some descriptions of cancer stem cells since 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.

Response: Thank you for your valuable suggestion. We have added cancer stem cells in the introduction; and the reference you mentioned has been cited. **(Page 6, Paragraphs 3-4; And Reference 12)**

Comment (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.

Response: We would like to express our sincere thanks to the reviewer for the constructive comment. We have added the context of siRNA. **(Pages 15-16)**

Respond to Reviewer #2

Comment (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.

Response: Thank you for your advice. The subtitles have been changed. **(Please see the titles and subtitles)**

Comment (2): Table 1 is recommended to divide 3 tables for each miRNA, piRNA, lncRNA with providing the target genes.

Response: Thank you for your suggestions. Since only two piRNAs have been found associated with gastric cancer, Table 1 has been divided into two tables, Table 1 and Table 2, for miRNA and lncRNA, respectively. **(Table 1 and 2)**

Comment (3): There are some typo error and the review of English grammar is required.

Response: Sorry about that. The manuscript has been edited by American Journal Experts, an English language editing company recommended by the editor. **(Please see the Certificate)**

Respond to Reviewer #3

Comment (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.

Response: Thank you for your constructive comments. The manuscript has been improved. More molecular mechanisms of miRNA in gastric cancer have been added. **(Pages 18-11)**

Comment (2): All figures do not come with legends; thus make it hard for readers to understand the messages delivered from them.

Response: Yes, you are right. The legends have been added. **(Figures 1-3)**

Comment (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.

Response: We would like to express our sincere thanks to the reviewer for the constructive comment. We have added some knowledge about H. pylori infection. **(From the last line of Page 5 to the fifth line of Page 6)**

Comment (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.

Response: Thank you for your valuable suggestion. They have been improved. **(Page 6, Paragraph 4; Page 12, Lines 5-7; Page 16, the last Paragraph; etc.)**

3 References and typesetting were corrected

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

A handwritten signature in black ink that reads "J Guo". The "J" is a simple vertical stroke, and "Guo" is written in a cursive, flowing style.

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