



September 28, 2015

Dear Editor,

We are truly grateful to yours and reviewers' valuable comments and suggestions on our manuscript entitled "MicroRNAs as new molecular insights into inflammatory bowel disease: crucial regulators in autoimmunity and inflammation" (ESPS Manuscript NO: 18813). Based on these comments and suggestions, we have made modifications on the original manuscript.

Please find the enclosed edited manuscript (file name: 18813-Revised manuscript).

**Title:** MicroRNAs as new molecular insights into inflammatory bowel disease: crucial regulators in autoimmunity and inflammation

**Author:** Xiao-Min Xu, Hong-Jie Zhang

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

**ESPS Manuscript NO:** 18813

Revision has been made according to the comments and suggestions of the reviewer as following:

1. Reviewer 02529456: This is a mainly well-written review, novel, yet clinical importance is questionable.

Response: MiRNAs plays crucial regulatory roles in many biological processes such as immune cellular differentiation, proliferation, apoptosis, and maintaining immune

homeostasis. MiRNAs have been revealed to be involved in autoimmune disorders. Many studies have demonstrated that peripheral blood miRNAs may be used as non-invasive biomarkers to distinguish active CD and UC from healthy controls. There exist some specific miRNAs profiles in UC and CD. We believe that in future, replenishing these decreased miRNAs by miRNA mimics may be a novel treatment for patients with IBD, like MRX34 for primary liver cancer as well as liver metastatic cancer.

2. Please add some figures or tables to make your manuscript better.

Response: we have added a table in our revised manuscript. (See Table 1 Aberrantly expressed miRNAs in IBD)

3. We have also revised the language of our manuscript by biomedical editing companies in order to verify that the language of the manuscript has reached Grade A.

We tried our best to improve the manuscript and made some changes in the manuscript. And here we did not list the changes but marked in red in revised paper. We appreciate for Editors/Reviewers' warm work earnestly, and hope that the correction will meet with approval.

Once again, thank you very much for your comments and suggestions.

Sincerely yours,

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