Name of journal: World Journal of Gastroenterology

Manuscript NO: 75767

Title: Upregulated AR accelerates post-infectious irritable bowel syndrome by promoting CD4+T cells’ Th17 polarization

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05125869

Position: Peer Reviewer

Academic degree: DVM, MS, PhD

Professional title: Assistant Professor

Reviewer’s Country/Territory: United States

Author’s Country/Territory: China

Manuscript submission date: 2022-02-14

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2022-03-21 10:10

Reviewer performed review: 2022-04-02 09:46

Review time: 11 Days and 23 Hours

Scientific quality

[ ] Grade A: Excellent  [ ] Grade B: Very good  [ ] Grade C: Good
[ ] Grade D: Fair  [ ] Grade E: Do not publish

Language quality

[ ] Grade A: Priority publishing  [ ] Grade B: Minor language polishing
[ ] Grade C: A great deal of language polishing  [ ] Grade D: Rejection

Conclusion

[ ] Accept (High priority)  [ ] Accept (General priority)
[ ] Minor revision  [ ] Major revision  [ ] Rejection

Re-review

[ ] Yes  [ ] No
SPECIFIC COMMENTS TO AUTHORS

In this manuscript, the authors report a research of upregulated A2AR accelerates post-infectious irritable bowel syndrome (PI-IBS). They concluded that the upregulation of A2AR increases PI-IBS by promoting the Th17 polarization of CD4+ T cells. The methods are clearly described and results are reasonable. This study is really useful for readers interested in pathogenesis of PI-IBS. However, the following points need to be addressed. Minor comments: 1. There are some typing errors. 2. The reference type needs to be revised according to journal guideline. 3. Improve the image resolution for Figure 1, and add the scale bar for each histopathological image.
PEER-REVIEW REPORT

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05128024

Position: Peer Reviewer

Academic degree: PhD

Professional title: Postdoctoral Fellow

Reviewer’s Country/Territory: Italy

Author’s Country/Territory: China

Manuscript submission date: 2022-02-14

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2022-03-21 10:10

Reviewer performed review: 2022-04-02 10:28

Review time: 12 Days

Scientific quality

[ ] Grade A: Excellent  [ Y] Grade B: Very good  [ ] Grade C: Good
[ ] Grade D: Fair  [ ] Grade E: Do not publish

Language quality

[ ] Grade A: Priority publishing  [ Y] Grade B: Minor language polishing
[ ] Grade C: A great deal of language polishing  [ ] Grade D: Rejection

Conclusion

[ ] Accept (High priority)  [ ] Accept (General priority)
[ Y] Minor revision  [ ] Major revision  [ ] Rejection

Re-review

[ Y] Yes  [ ] No
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<td>Conflicts-of-Interest:</td>
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**SPECIFIC COMMENTS TO AUTHORS**

“Upregulated A2AR accelerates post-infectious irritable bowel syndrome by promoting CD4+T cells’ Th17 polarization” by Dong et al. In my opinion, it is a well-written and interesting manuscript, and within the scope of the journal. The authors investigated the role of Th17 polarization by CD4+ T cells regulated by A2AR in PI-IBS, and they concluded that the regulation of A2AR plays a pathogenetic role in the development of PI-IBS. Two suggestions: 1) All figures should be enlarged and a scale bar should be indicated in images of Figure 1. 2) Maybe you should give more details on “AWR score” and “Bristol stool scoring system”, which contribute to a more comprehensive understanding for readers.
Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 75767

Title: Upregulated YAR accelerates post-infectious irritable bowel syndrome by promoting CD4+T cells’ Th17 polarization

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05159175

Position: Peer Reviewer

Academic degree: MD

Professional title: Senior Researcher

Reviewer’s Country/Territory: Taiwan

Author’s Country/Territory: China

Manuscript submission date: 2022-02-14

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2022-03-21 10:11

Reviewer performed review: 2022-04-02 10:31

Review time: 12 Days

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SPECIFIC COMMENTS TO AUTHORS
This is an interesting study of the role of Th17 polarization by CD4+ T cells regulated by A2AR in PI-IBS. This study is very well designed and the results are very interesting. The reviewer recommends to accept this manuscript after a minor editing. Thank you.