

## PEER-REVIEW REPORT

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

**Manuscript NO:** 75767

**Title:** Upregulated AR accelerates post-infectious irritable bowel syndrome by promoting CD4<sup>+</sup>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	<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 Grade E: Do not publish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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Peer-reviewer  
statements**

Peer-Review: ☒ Anonymous ☐ Onymous  
Conflicts-of-Interest: ☐ 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.

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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	<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 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

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

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**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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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