

## PEER-REVIEW REPORT

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

**Manuscript NO:** 80199

**Title:** Intersections between innate immune response and gastric cancer development

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06395430

**Position:** Peer Reviewer

**Academic degree:** DPhil, PhD

**Professional title:** Researcher, Senior Researcher

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** Chile

**Manuscript submission date:** 2022-09-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-06 04:41

**Reviewer performed review:** 2022-10-06 08:02

**Review time:** 3 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

## SPECIFIC COMMENTS TO AUTHORS

The Manuscript ID 80199 by Franz Villarroel-Espindola and Co-workers studied the review article Intersections between innate immune response and gastric cancer development. The title of the proposed work suits the Aims and scope of the Journal in a great extent and therefore can be taken into consideration for publication in the World Journal of Gastroenterology after incorporating the following corrections. Remarks: 1. Firstly, Please elaborate the introduction Part. 2. This is a review article, add a figure to it. 3. Add new references in the introduction part. (i) Curtale, G. (2018). MiRNAs at the crossroads between innate immunity and cancer: focus on macrophages. *Cells*, 7(2), 12. (ii) Sabry, M., & Lowdell, M. W. (2020). Killers at the crossroads: The use of innate immune cells in adoptive cellular therapy of cancer. *Stem Cells Translational Medicine*, 9(9), 974-984. (iii) Miao, L., Qi, J., Zhao, Q. I., Wu, Q. N., Wei, D. L., Wei, X. L., ... & Xu, R. H. (2020). Targeting the STING pathway in tumor-associated macrophages regulates innate immune sensing of gastric cancer cells. *Theranostics*, 10(2), 498. (iv) Kanaoujiya, R., Porwal, D., & Srivastava, S. (2022). Applications of nanomaterials for gastrointestinal tumors: A review. *Frontiers in Medical Technology*, 4, 997123. (v) Kanaoujiya, R., Saroj, S. K., Srivastava, S., & Chaudhary, M. K. (2022). Renewable Polysaccharide and Biomedical Application of Nanomaterials. *Journal of Nanomaterials*, Article ID 1050211, 16. (vi) Deng, R., Zuo, C., Li, Y., Xue, B., Xun, Z., Guo, Y., ... & Zhu, H. (2020). The innate immune effector ISG12a promotes cancer immunity by suppressing the canonical Wnt/ $\beta$ -catenin signaling pathway. *Cellular & molecular immunology*, 17(11), 1163-1179. 4. Please elaborate the conclusion part.

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**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05381979

**Position:** Editorial Board

**Academic degree:** Doctor, PhD

**Professional title:** Director, Professor, Surgeon

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Chile

**Manuscript submission date:** 2022-09-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-07 14:08

**Reviewer performed review:** 2022-10-08 08:46

**Review time:** 18 Hours

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input 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
<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
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

This manuscript is perfectly written

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**Manuscript NO:** 80199

**Title:** Intersections between innate immune response and gastric cancer development

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06396396

**Position:** Peer Reviewer

**Academic degree:** Doctor, MD

**Professional title:** Chief Physician, Deputy Director, Doctor, Professor, Vice Editor-in-Chief

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Chile

**Manuscript submission date:** 2022-09-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-04 11:48

**Reviewer performed review:** 2022-10-12 13:05

**Review time:** 8 Days and 1 Hour

Scientific quality	<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
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

### **SPECIFIC COMMENTS TO AUTHORS**

This paper explored innate immune activation in the context of premalignant lesions of the gastric epithelium and established gastric tumors. The author thinks that Innate immunity is the beginning, and certainly, will be part of the final response against tumors. The article is well organized and logical, mainly focusing on the innate immunity mechanism of gastric mucosa induced by *Helicobacter pylori* and Epstein-Barr virus infection. It is of great significance for the prevention and treatment of gastric cancer. Although detailed, some aspects of the mechanism are better illustrated graphically.

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**Peer-review model:** Single blind

**Reviewer's code:** 05569322

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Surgeon, Surgical Oncologist

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Chile

**Manuscript submission date:** 2022-09-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-06 02:53

**Reviewer performed review:** 2022-10-15 04:17

**Review time:** 9 Days and 1 Hour

<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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

1: The innate immunity introduced by the authors is mostly associated with gastric pathogens such as HP infection and EBV infection, while the authors mention molecular and genotyping of gastric cancer into four types, is innate immunity associated with other types of gastric cancer? What are its possible mechanisms? Can you add to this section? 2: Immunotherapy seems to be less effective in the treatment of gastric cancer at present, what is the future of immunotherapy in the treatment of gastric cancer? 3: Table 2 lists the countries with high incidence of gastric cancer, besides developing countries, there are also developed countries such as Japan and Korea, so does academic qualification affect the incidence of gastric cancer in these two countries? Please add the relevant analysis. 4: Table I lists the expression of TOLL-like receptors in the gastric mucosa in the context of esophageal cancer, so is the innate immunity of the stomach affected by esophageal cancer?



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Peer-review model:** Single blind

**Reviewer's code:** 05569322

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Surgeon, Surgical Oncologist

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Chile

**Manuscript submission date:** 2022-09-20

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2022-11-10 06:10

**Reviewer performed review:** 2022-11-10 06:20

**Review time:** 1 Hour

<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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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>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

#### **SPECIFIC COMMENTS TO AUTHORS**

This manuscript is well written