



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47858

Title: Intestinal enteroids/organoids: a novel platform for drug discovery in inflammatory bowel diseases

Reviewer's code: 03476711

Reviewer's country: Egypt

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-03-30 14:50

Reviewer performed review: 2019-04-10 09:33

Review time: 10 Days and 18 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Minor revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Dear authors Thank you for the interesting review. Just very few comments.

INITIAL REVIEW OF THE MANUSCRIPT



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47858

Title: Intestinal enteroids/organoids: a novel platform for drug discovery in inflammatory bowel diseases

Reviewer's code: 02529576

Reviewer's country: India

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-05-10 13:05

Reviewer performed review: 2019-05-10 16:21

Review time: 3 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input checked="" type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors have done a good review of the present status of intestinal organoids use in IBD along with possible future applicability and limitations. Only two more features may be further discussed. [1] The use of organoid cultures for high-throughput drug



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screening, genetic editing and gene silencing etc as may be applicable for IBD treatment.

[2] The use of organoids from very young patients having rare forms of IBD [e.g. very early onset IBD caused by monogenetic aberrations like IL-10, IL-10R, XIAP, NCF2, or TTC7] may help to understand the role of those genes and lead to drug discovery that reverse the consequences of those mutations. [e.g. intestinal organoids grown from children with multiple intestinal atresia showed an inverted growth with the cells apical side on the outside of the organoids; treatment with a Rho kinase inhibitor led to reversal of this inversion and could help in the development of new therapies for this condition [3] Under limitations discuss also the difficulties in development of a reliable model of microbiota–epithelium interactions.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47858

Title: Intestinal enteroids/organoids: a novel platform for drug discovery in inflammatory bowel diseases

Reviewer's code: 01587796

Reviewer's country: United States

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-05-10 15:11

Reviewer performed review: 2019-05-10 16:42

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

These authors have done a splendid job of reviewing and elucidating the means by which in vitro techniques can be exploited to explore the therapeutic potential of various agents in IBD as well as other diseases. To round out their extensive review of



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intestinal organoids as a research tools, the authors might want to give at least a brief mention to the current and past use of human fetal intestinal organ culture (e.g., Proc Natl Acad Sci USA 2000;97:6043-8. J Exp Med 1988;167:1341-9. Pediatr Res 2015;77:528-35). On the other hand, given the laboratory-oriented focus of this technical review, it might not be necessary to devote quite so much space and bibliography to articles regarding current clinical therapeutic approaches to IBD.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47858

Title: Intestinal enteroids/organoids: a novel platform for drug discovery in inflammatory bowel diseases

Reviewer’s code: 02456959

Reviewer’s country: China

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-05-12 07:31

Reviewer performed review: 2019-05-14 09:54

Review time: 2 Days and 2 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input checked="" type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input checked="" type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input checked="" type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Yoo JH et al. (Manuscript Number: 47858) perform review on “Intestinal enteroids/organoids: a novel platform for drug discovery in inflammatory bowel diseases”. However, I have following concerns about this work at least in its present



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form. 1. This manuscript must be copyedited by native-English speakers before resubmit it. 2. It is recommended to rewrite the abstract and full text according to the formats of “introduction, materials and methods, results, discussion and conclusions”. 3. Please delete the redundancy sentences, and use the tables or figures to show information. 4. On the section of Discussion, the main findings, limitations, and authors’ recommendations should be present more clearly and comprehensively. 5. This manuscript must fit the journal's requirements or format.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47858

Title: Intestinal enteroids/organoids: a novel platform for drug discovery in inflammatory bowel diseases

Reviewer's code: 02998194

Reviewer's country: Greece

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-05-10 15:03

Reviewer performed review: 2019-05-17 13:53

Review time: 6 Days and 22 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

I would like to congratulate you for this excellent review

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47858

Title: Intestinal enteroids/organoids: a novel platform for drug discovery in inflammatory bowel diseases

Reviewer's code: 03479673

Reviewer's country: Bahrain

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-05-11 06:41

Reviewer performed review: 2019-05-20 16:30

Review time: 9 Days and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Dear Authors, Congratulations for this extensive review. Topic is new and relevant to current research; review is nearly perfect, although it is pertaining to basic science. There is no window left for me to suggest any changes. All the best.



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