



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55347

Title: Development of innovative tools for investigation of nutrient-gut interaction

Reviewer's code: 02742751

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Australia

Manuscript submission date: 2020-03-15

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-05-11 09:10

Reviewer performed review: 2020-05-11 09:57

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 Grade E: Do not publish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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

This is a narrative review about novel tools for investigation of nutrient-gut interaction. It discussed the evolution of in vitro and in vivo models and the integration of innovative techniques that would enable the development of novel therapies for metabolic diseases. The manuscript is well written and contains important data regarding the main focus of review. It could be accepted after minor English editing.



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55347

Title: Development of innovative tools for investigation of nutrient-gut interaction

Reviewer's code: 03072151

Position: Editorial Board

Academic degree: MD, MSc

Professional title: Assistant Professor, Attending Doctor, Surgeon

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Australia

Manuscript submission date: 2020-03-15

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-05-10 04:50

Reviewer performed review: 2020-05-14 14:46

Review time: 4 Days and 9 Hours

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
Peer-reviewer statements	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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

The authors summarized the research tools and the in vitro and in vivo models used to investigate nutrient-gut interactions, and discussed their advantages and limitations for clinical translation of findings in an organized structure. A better understanding of the mechanisms underlying nutrient-gut interactions is fundamental to the development of gut-based therapies for major metabolic disorders. This makes the present manuscript quite valuable for both basic and clinical professionals. I would appreciate if the authors can mention some further research direction in the field. Moreover, a good review is expected to have brief summary except a detailed literature review. A table is always a great way to present the core information to the readers in an easy way. Finally, when making reference, the original articles instead of review articles should be cited. For instance, reference 2 and 111 are review articles. Overall, the manuscript shows novel interesting and comprehensive highlights with a good quality and the overview given is fairly informative.



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55347

Title: Development of innovative tools for investigation of nutrient-gut interaction

Reviewer's code: 00068781

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Australia

Manuscript submission date: 2020-03-15

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-05-11 02:01

Reviewer performed review: 2020-05-14 17:49

Review time: 3 Days and 15 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 checked="" type="checkbox"/> Accept (General priority) <input 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: <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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

In this manuscript, Huang et al reviewed that the evolution of in vitro and in vivo models and the integration of innovative techniques that will ultimately enable the development of novel therapies for metabolic diseases. The manuscript is well written and the aim of this study is clear. However, the authors should summarize more clinical studies of nutrient-gut interactions by using innovative techniques and models for therapies of metabolic diseases.



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55347

Title: Development of innovative tools for investigation of nutrient-gut interaction

Reviewer's code: 03252981

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Academic Research, Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Australia

Manuscript submission date: 2020-03-15

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-05-09 22:37

Reviewer performed review: 2020-05-16 05:53

Review time: 6 Days and 7 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: <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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

The paper by Huang WK describes the in vivo and in vitro models for the investigation on the hormone secretion from the gastrointestinal tract for the development of novel therapies for metabolic diseases. The review was structured and organized. The description may be arranged more concise. In each section, the overview of the methods and novel findings were described. The reviewer thinks that it is better to describe new therapy or strategy found by these models, if possible. Some abbreviations were used without spelling out at the first appearance. All abbreviations need to be spelled out at the first appearance. There are a couple of strange sentences and wordings. The manuscript needs to be polished up.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55347

Title: Development of innovative tools for investigation of nutrient-gut interaction

Reviewer's code: 03072151

Position: Editorial Board

Academic degree: MD, MSc

Professional title: Assistant Professor, Attending Doctor, Surgeon

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Australia

Manuscript submission date: 2020-03-15

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-05-29 10:47

Reviewer performed review: 2020-05-29 11:11

Review time: 1 Hour

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 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
Conclusion	<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
Peer-reviewer statements	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

The authors addressed properly to my previous comments. I have no further comments



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

and I recommend publication of the paper in the current form.