

PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 90653

Title: Protein Succinylation, Hepatic Metabolism, and Liver Diseases

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03842015

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Doctor, Lecturer, Postdoctoral Fellow, Teaching Assistant

Reviewer's Country/Territory: Romania

Author's Country/Territory: China

Manuscript submission date: 2023-12-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-12-18 13:09

Reviewer performed review: 2023-12-18 13:12

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



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Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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

Dear Authors, The title reflect the main subject of the manuscript. The abstract summarize and reflect the work described in the manuscript. The key words reflect the focus of the manuscript. The manuscript describe methods in adequate detail. Please improve and extent your introduction Please add more conclusion to your article Kind regards

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Title: Protein Succinylation, Hepatic Metabolism, and Liver Diseases

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Reviewer's code: 03259512

Position: Editorial Board

Academic degree: MSc, PhD

Professional title: Assistant Professor, Senior Researcher

Reviewer's Country/Territory: Australia

Author's Country/Territory: China

Manuscript submission date: 2023-12-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-12-18 23:42

Reviewer performed review: 2023-12-19 03:56

Review time: 4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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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

The study reviews the role of succinylation in liver pathologies. The review idea is innovative. However, there are several issues to address. Abstract requires a lot of improvements. Authors should avoid using vacuous phrases. Current Abstract is too general and should be improved/re-written. Example: “the liver being an important organ for this kind of modification” . It is necessary to use academic language and be highly specific. Abstract should indicate the most important enzymes involved into the regulation of succinylation in the liver. The enzymes should be accented regarding their role in the liver-related pathologies.be specific and mention the exact liver pathologies which can be targeted via the regulation of succinylation. Authors should use Core Tips for improvement of their Abstract. Succinylation is not “newly” discovered process, considering that they cite a paper from 2010. Authors should amend the Introduction (page 3). Authors should use academic language and avoid vacuous generalisations. English language profession editing is recommended. Figure 1, 2, 3 etc should be cited in the text. All figures were not mentioned in the text. it is essential they are mentioned at least once in the text. Some phrases are hard to understand (it could be wrong



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grammar/style). For instance, the section 3.1 title “3.1 Succinylation with hepatic glucose and amino acid metabolism” – is unclear. Did you mean “ Succinylation of enzymes involved into regulation of hepatic glucose and amino acid metabolism”??? The role of succinylation during aging, alcoholic liver disease etc should be described properly. Conclusion section should be improved and provide more specific recommendation for future direction of treatment targeting succinylation in liver cells.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 03259512

Position: Editorial Board

Academic degree: MSc, PhD

Professional title: Assistant Professor, Senior Researcher

Reviewer's Country/Territory: Australia

Author's Country/Territory: China

Manuscript submission date: 2023-12-11

Reviewer chosen by: Xin-Liang Qu

Reviewer accepted review: 2024-01-17 22:55

Reviewer performed review: 2024-01-17 23:02

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 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
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SPECIFIC COMMENTS TO AUTHORS

Authors addressed all my comments properly. The manuscript has been revised and can be accepted after minor English check up/editing.