

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 61549

**Title:** BRUCE regulation of  $\beta$ -catenin signaling in the progression of drug-induced hepatic fibrosis and carcinogenesis

**Reviewer's code:** 02832130

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2020-12-12

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-12-12 02:12

**Reviewer performed review:** 2020-12-18 01:38

**Review time:** 5 Days and 23 Hours

<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 Grade E: Do not publish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 type="checkbox"/> Accept (General priority) <input checked="" 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 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

Name of Journal: World Journal of Hepatology Manuscript Type: ORIGINAL ARTICLE

Manuscript Title: BRUCE regulation of  $\beta$ -catenin signaling in the progression of drug-induced hepatic fibrosis and carcinogenesis Manuscript No.: 61549 Comments:

The authors of this study investigated the suppressive mechanisms of BRUCE in hepatic fibrosis and HCC development. They reported a chronic fibrosis background induced by hepatic BRUCE KO in mice that recapitulates the fibrosis background in HCC patients, and a BRUCE-dependent suppression of  $\beta$ -catenin activity through the suppression of PKA activity. The subject of this manuscript is of value, but there are a few of defects need to be modified.

1. Abstract section Should the author change the first word "BRUCE" to: "Baculovirus repeat-containing ubiquitin-conjugating enzyme (BRUCE)" .
2. Should the author briefly describe other factor that can lead to liver fibrosis and HCC in the Discussion section.
3. They authors described they previously reported the clinical relevance of BRUCE downregulation in a large portion of patients with hepatitis, fibrosis and HCC. Should they give a little more details about the relevance.
4. Conclusion section We previously reported the clinical relevance of BRUCE downregulation in a large portion of patients with hepatitis, fibrosis and HCC. In addition, BRUCE somatic deleterious mutations or downregulation are found in patients with fibrosis and HCC patients [3]. It seems that that some of the contents of these two sentences are suspected of repetition (downregulation.....fibrosis and HCC; or downregulation.....fibrosis and HCC). Please check.
5. Are there any other mechanisms of hepatic fibrosis and carcinogenesis induced by BRUCE.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Hepatology

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**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2020-12-12

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2021-01-18 03:20

**Reviewer performed review:** 2021-01-19 07:50

**Review time:** 1 Day and 4 Hours

<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>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



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All the defects I raised had been modified or revised by the author. I have no more suggestions for revision.