



PEER-REVIEW REPORT

Name of journal: World Journal of Experimental Medicine

Manuscript NO: 41947

Title: Sirtuins in B cell metabolism and function

Reviewer's code: 02608938

Reviewer's country: United States

Science editor: Xue-Jiao Wang

Date sent for review: 2018-09-07

Date reviewed: 2018-09-27

Review time: 20 Days

| 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

Ghirotto et al. in this manuscript briefly and elegantly reviewed and discussed the sirtuins and metabolism and functions of B lymphocyte. This is more critical in consideration that more attention on sirtuins is paid to their roles in epigenetic regulation, but less is given to other aspect. The topic and components are timely



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important for the fields involved and thus should attract a great number of readers. I have only a several comments below in editing to make the statement more clear and accurate. 1. Statement or wording a concept should be consistent through a given manuscript. For example, B lymphocytes may be more appropriate than B cells and also should be used in the whole manuscript instead of mixed use of B cells and B lymphocyte. 2. In the abstract, “ ... to understand to role ...” should be to understand the role of SIRT in metabolism and functions of B lymphocytes ...”. The underlined phrase should be used to replace the same statement in the whole manuscript. 3. In the last sentence of abstract, “... general metabolism...” may be more appropriately replaced by general cellular metabolism...”. 4. The first sentence in the introduction lacks support of citations. 5. The 2nd sentence in the introduction needs to differentiate B lymphocytes from other types of cells in term of “combat the inflammatory insult”. 6. In section of SIRTUNIS, “Some years later..” is unclear statement. Exact years should and can be provided based on the references. 7. In general, Arabic numbers less than 10 and used to present number instead of a part of name or concept should be fully spelled out in English to avoid confusion with name or concept. For example, in the 2nd paragraph of SIRTUNIS AND METABOLISM, “... 2 pyruvate molecules.” should be replaced by “... two pyruvate molecules.”. 8. Considering the importance of B lymphocytes in immunity and fast moving of Sirt research, can authors briefly discuss studies of this aspect in translation medicine, even in prospective view?

INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Experimental Medicine

Manuscript NO: 41947

Title: Sirtuins in B cell metabolism and function

Reviewer's code: 02444986

Reviewer's country: Turkey

Science editor: Xue-Jiao Wang

Date sent for review: 2018-10-05

Date reviewed: 2018-10-08

Review time: 3 Days

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
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| | | | <input checked="" type="checkbox"/> No expertise |
| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input checked="" type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

Authors has concisely reviewed the types and cellular functions of sitrulin in general, as well as from the point of B cells through the literature and their own data.

INITIAL REVIEW OF THE MANUSCRIPT



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