

São Paulo, 29<sup>th</sup> October, 2018

Xue-Jiao Wang  
Science Editor, Editorial Office  
Baishideng Publishing Group Inc  
*World Journal of Experimental Medicine*

Dear Editor,

We are submitting the revised version of the article entitled “Sirtuins in B lymphocytes metabolism and function” (Manuscript ID 41947), authored by Bruno Ghirotto, Fernanda Fernandes Terra, Niels Olsen Saraiva Câmara and Paulo José Basso. Thank you for reviewing the aforementioned paper. We have addressed all queries raised by the reviewers, which are listed below and highlighted the changes made (in yellow) throughout the article.

**Reviewer 02608938**

- 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.**

**Reply:** The term B cell(s) was replaced by B lymphocyte(s), as suggested.

- 2. In the abstract, “... to understand to role ...” should be to understand the role of SIRTs in metabolism and functions of B lymphocytes ...”. The underlined phrase should be used to replace the same statement in the whole manuscript.**

**Reply:** The phrase was corrected throughout the article.

- 3. In the last sentence of abstract, “... general metabolism...” may be more appropriately replaced by general cellular metabolism...”**

**Reply:** The phrase in the abstract was corrected appropriately.

**4. The first sentence in the introduction lacks support of citations.**

**Reply:** As suggested, we have provided more references to this sentence.

**5. The 2nd sentence in the introduction needs to differentiate B lymphocytes from other types of cells in term of “combat the inflammatory insult”**

**Reply:** We have provided a more detailed insight into the role of B lymphocytes as suggested, highlighting their importance during immune responses.

**6. In section of SIRTUINS, “Some years later..” is unclear statement. Exact years should and can be provided based on the references.**

**Reply:** Based on the references, the exact number of years was provided and modified as pointed out.

**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 SIRTUINS AND METABOLISM, “... 2 pyruvate molecules.” should be replaced by “... two pyruvate molecules.”.**

**Reply:** All Arabic numbers used to present numbers are now fully spelled throughout the text to avoid misunderstanding.

**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?**

**Reply:** The potential aspects of studies of the impact of sirtuins on B lymphocytes in translational medicine were briefly discussed in the end of the topic "Sirtuins, B lymphocytes and metabolism".

**Comments of the other Reviewers:**

**Reviewer 02444986:** Authors have concisely reviewed the types and cellular functions of sirtuins in general, as well as from the point of B cells through the literature and their own data.

**Reviewer 00233953:** There are no specific comments.

Having therefore addressed all of the queries raised by the reviewers during peer review, we hope that our modifications will make the article acceptable for publication in the World Journal of Experimental Medicine.

Yours sincerely,



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