

12-May-2021

To: Lian-Sheng Ma, Science Editor, Company Editor-in-Chief, Editorial Office

World Journal of Stem cells (WJSC)

Manuscript NO: 63762

Title: The roles of the mitochondrial unfolded protein response in mammalian stem cells

First author: Lifang Gu

Correspondence author: YanzhouYang

Dear editor,

Thank you so much for your email letter informing us your decision and reviewers' comments. We are very much encouraged the comments from you and the reviewers. We think the reviewers' comment and constructive and useful for improving the quality of our manuscript. We have taken all comments seriously and made a thorough revision. Please find our point to point correspondence below.

A revised manuscript was uploaded on your website. Please feel free to let me know if you have any further questions. Thanks again.

Best Regards,

YanzhouYang

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Reviewer's comments to author

Reviewer 1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade A (Priority publishing)

Conclusion: Minor revision

Specific Comments to Authors: The role of UPR is summarized in this article. The involvement of heat shock proteins in mitochondrial functions in terms of UPRmt may be described more in detail. The relationships between UPRmt and Sirt genes may be discussed more in detail. The abbreviations should be spelled out at the first time shown. UPRer may be defined at the first time shown as well.

Response: Thanks for your positive evaluation, the heat shock proteins in UPRmt, the relationships between UPRmt and Sirt genes were all summarized and added into the manuscript. UPRer was spelled out and added into manuscript.

Reviewer 2:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: nice work, well written please correct the references , there are some pages which are missing.

Response: Thanks for your suggestions, all the references were checked and the missing pages were added according to pubmed.

EDITORIAL OFFICE'S COMMENTS

(1) Science editor: 1 Scientific quality: The manuscript describes a Minireviews of the mitochondrial unfolded protein response in stem cells. The topic is within the scope of the WJSC.

(1) Classification: Grade B and Grade C; (2) Summary of the Peer-Review Report: Authors should

correct the references, there are some pages which are missing. The relationships between UPRmt and Sirt genes may be discussed more in detail. The questions raised by the reviewers should be answered; (3) Format: There is 1 table and 1 figure; (4) References: A total of 135 references are cited, including 15 references published in the last 3 years; (5) Self-cited references: There is no self-cited reference. 2 Language evaluation: Classification: Grade A and Grade B. A language editing certificate issued by AJE was provided. 3 Academic norms and rules: No academic misconduct was found in the Bing search. 4 Supplementary comments: This is an invited manuscript. The study was supported by the Key projects of Natural Science Foundation of Ningxia and National Natural Science Foundation of China. The topic has not previously been published in the WJSC. 5 Issues raised: (1) The “Author Contributions” section is missing. Please provide the author contributions; (2) The authors did not provide the approved grant application form(s). Please upload the approved grant application form(s) or funding agency copy of any approval document(s); (3) The authors did not provide original pictures. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor; (4) PMID and DOI numbers are missing in the reference list. Please provide the PubMed numbers and DOI citation numbers to the reference list and list all authors of the references. Please revise throughout. 6 Recommendation: Conditional acceptance.

Response: Thanks for your suggestions, the Author Contributions, fundings and others were all checked and added in the manuscript, and other concerns were all revised.

(3) Company editor-in-chief: I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Stem Cells, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors.

Response: Thanks, all the concerns were checked and revised.