

Dear Editor,

I am pleased to submit the answering reviewers document of our original invited manuscript entitled "Precision medicine in sepsis and septic shock: From omics to clinical tools" (manuscript number: 66531) by Ruiz-Rodríguez JC *et al.*, for consideration for publication in the World Journal of Critical Care Medicine. We appreciate all editor's and reviewers' comments. We addressed all reviewers' comments thoroughly and prepared the response, which is presented at the end of this document. All authors listed in this original article have approved the final manuscript and significantly contributed to its elaboration. This manuscript received **no funding**. All authors have concluded that WJCCM constitutes one of the most promising and innovative publications in the critical care medicine area offering a suitable platform to present this review. We have no conflicts of interest to disclose.

Sincerely,

ANSWERING REVIEWERS

Reviewer #1:

Scientific Quality: Grade A (Excellent)

Language Quality: Grade A (Priority publishing)

Conclusion: Accept (High priority)

Specific Comments to Authors: The authors must be congratulated for a thorough and well-written manuscript on potential for precision medicine in Sepsis. The authors describe all aspects of Omics, cellular and genetic pathophysiology of sepsis and review translational and clinical literature highlighting its potential application in clinical practice. The topic is very timely and attractive for current day readership in critical care medicine. My only suggestion to the authors is to cut down the word count. The current manuscript stands over 6955 words! I would recommend the authors to bring down the word count to at least 5000 words if not shorter to maintain interest from readership and provide a succinct and interesting manuscript. Overall, I would recommend this article for publication.

Authors' response: We really appreciate the reviewer's comments, we tried to reduce the word count, however, given the nature of this review the content

would be significantly modified and hard to understand. All other issues have been completed and revised by the authors.

6 EDITORIAL OFFICE'S COMMENTS

(1) *Science editor*: 1 Scientific quality: The manuscript describes a Review of the Precision Medicine in Sepsis and septic shock. The topic is within the scope of the WJCCM. (1) Classification: Grade A; (2) Summary of the Peer-Review Report: The topic is very timely and attractive for current day. The manuscript should be shorten if necessary. The questions raised by the reviewers should be answered; (3) Format: There is 1 table and 1 figures; (4) References: A total of 137 references are cited, including 22 references published in the last 3 years; (5) Self-cited references: There are 9 self-cited references. 2 Language evaluation: Classification: Grade A. A language editing certificate issued by filipodia was provided. 3 Academic norms and rules: No academic misconduct was found in the Bing search. 4 Supplementary comments: This is an invited manuscript. No financial support was obtained for the study. The topic has not previously been published in the WJCCM. 5 Issues raised: (1) 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, All submitted figures, including the text contained within the figures, must be editable. Please provide the text in your figure(s) in text boxes; (2) 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; (2) For PMID and DOI numbers of references from English-language journals, please ensure there is a space between the PMID and DOI numbers in the square brackets. For example : [PMID: 15090974 DOI: 10.1097/01.ccm.0000117317.18092.e4] 6 Recommendation: Conditional acceptance.

Authors' response: We appreciate the reviewer's comments. We provide original figure/table (editable), and provide the text in our figure and table in text boxes. All the references have been reviewed and PMID and DOI citation have been added. Reference 39, has no PMID, reference 40 has no PMID or DOI. DOI numbers for references 71, 74, 96, 103, 115 and 123 are not available. All authors are mentioned in each reference.

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 Critical Care Medicine, 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

Authors' response: We appreciate the editor-in-chief's comments. We reviewed all issues thoroughly.