

Format for ANSWERING REVIEWERS

July 16, 2015

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: 20017-Review.doc).

Title: Polycystins and mechanotransduction: From physiology to disease

Author: Christina Piperi, Efthimia K Basdra

Name of Journal: *World Journal of Experimental Medicine*

ESPS Manuscript NO: 20017

Please find below a detailed **response** to the *issues* raised by the reviewers:

Reviewers' comments:

Reviewer #00504156:

This review article is well written and merits publication.

AUTHOR RESPONSE: We thank the reviewer for his nice words regarding our work.

Reviewer #02526197:

This review is excellent. Except for some minor typo errors, it is well written.

AUTHOR RESPONSE: We thank the reviewer for his nice words regarding our work. We have corrected all typing errors.

Reviewer #0291378:

The review is very well written regarding polycystins and roles in mechanotransduction. Many biological interactions and functions among polycystins and partners are described. What's lacking is insights for the future research and translation for disease models. The authors should raise outstanding questions for the expanding roles of polycystins.

AUTHOR RESPONSE: We thank the reviewer for his nice and useful comments. We have rewritten the conclusions section including insights for future research, suggestions for animal models and questions on expanding roles of polycystins.

Reviewer #00503929:

This is a very well-written review on a multidisciplinary topic that falls within the field of experimental medicine, due to its implications in a large spectrum of biological processes relevant to disease, as well as direct implication in the pathogenesis of common kidney disease. Coverage of the literature is clear

and adequate, writing is concise and focused, the text is excellently organized. My sole remark is that nomenclature of protein domains (mostly acronyms) is not always understandable to the nonspecialist reader, which is the person most likely to read the paper. I would advise defining in the text what the initials stand for, whenever an acronym is used.

AUTHOR RESPONSE: We thank the reviewer for his nice and useful comments. We have defined in the text all acronyms or protein initials.

I hereby declare that:

- the content of the manuscript has not been and will not be considered for publication elsewhere
- the authors have no potential competing interests
- all the authors have contributed significantly, and all the authors are in agreement with the content of the revised manuscript and its submission to *World Journal of Experimental Medicine*
- the manuscript conforms to the journal's guidelines for **Editorial** article authors

Trusting that we have adequately **addressed** the reviewers' and editorial *concerns*, I would like to thank you for your help in improving significantly our work.

Kind regards,

Efthimia K. Basdra, Associate Professor

75, M. Asias Street - Goudi

115 27 A t h e n s - G R E E C E

Tel.: +30210-7462547

Fax: +30210-7462703

E-mail: ebasdra@med.uoa.gr