# Format for ANSWERING REVIEWERS

August 31, 2014

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 12263-review.doc).

**Title:** Phosphoprotein phosphatase 1-interacting proteins as therapeutic targets in prostate cancer

**Author:** Juliana Felgueiras, Margarida Fardilha

**Name of Journal:** *World Journal of Pharmacology*

**ESPS Manuscript NO:** 12263

The manuscript has been improved according to the suggestions of reviewers:
1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

(1) A column describing the function of each protein was added ("Biological processes"). We considered to include this topic when designing the table; however, we thought it was tricky since some of the proteins have many functions. We understand the suggestion of the reviewer and we made efforts to summarize the most prominent biological processes in which proteins are involved. We used gene ontology to this task (http://geneontology.org/).

(2) MDM4, TRIM28, and PAK6 were added to the manuscript as suggested. The three proteins were analyzed in a similar way to the others and were included in the table 1. TRIM28 and MDM4 were also added to Figure 2 as PPP1 substrates. We did not include a topic for MDM4 in the section "INTERACTORS OF PHOSPHOPROTEIN PHOSPHATASE 1 IN PROSTATE CARCINOGENESIS: VALUABLE TOOLS FOR CANCER MANAGEMENT" due to the lack of information on its role in prostate carcinogenesis.

(3) A reference to the study recommended was added to the manuscript: "In fact, the docking motif found in Bad has inspired the designing of a peptide that interferes with PPP1/BAD complex and is able to induce cell death".

Minor comments:

(1) The number of interactors was corrected as suggested.

(2) The nomenclature of the genes was corrected as suggested.

(3) We removed the invalid reference and updated the list of references.

(4) We added a sentence summarizing the different classes of HDACs: "Members of HDACs' family are divided into four classes (classes I-IV), according to their homology with yeast proteins, with class II being further subdivided into class IIa and IIb" (highlighted in yellow in the manuscript).

(5) Thank you very much for your attention. We added inflammation to the list of functions of NF-κB. We also added a review as reference which will help readers to better understand the role of NF-κB in cancer.

(6) We included all the reviewer's suggestions and checked all the article for further improvements. All alterations are highlighted in yellow in the manuscript.

3 References and typesetting were corrected

Thank you again for publishing our manuscript in the *World Journal of Pharmacology*.

Sincerely yours,



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