

Dr. Fang-Fang Ji, Science Editor,

Editorial Office, Baishideng Publishing Group Inc.

Ref. World Journal of Experimental Medicine, Manuscript NO.: 30140

Dear Dr. Ji,

We thank you for your letter concerning the review of the manuscript entitled *An odd couple: the unexpected partnership of glucocorticoid hormones and cysteinyl-leukotrienes in the extrinsic regulation of murine bone-marrow eosinopoiesis*, by Pedro Xavier-Elsas, Daniela Masid-de-Brito, Bruno Marques Vieira and Maria Ignez C Gaspar-Elsas, which we have submitted for publication as a Review in the World Journal of Experimental Medicine. You will find below our replies to the comments of the reviewers, as well as the modifications that were introduced in the revised version of the manuscript.

Comments from reviewer 02446104

“Great progress has been made over the last decade in understanding the role of both intrinsic and extrinsic factors in regulation of granulopoiesis in murine bone-marrow. The authors review bone-marrow regulation by intrinsic and extrinsic factors, and highlight a novel partnership of glucocorticoid hormones and cysteinylleukotrienes in the extrinsic regulation of murine bone-marrow eosinopoiesis. This is an interesting and important topic, and this review includes some of the key concepts. Although figures are informative, a graphical abstract would help to summarize the highlights.”

We thank this reviewer for the positive evaluation of our manuscript. We agree that a graphical abstract would improve the readability of the paper, and highlight the important points in our argument. This graphical abstract is now incorporated to the revised manuscript as a novel Figure (Fig. 2), which is accompanied by a detailed caption as well as the corresponding text in the final section of the manuscript. Caption and text are highlighted in yellow.

Comments from 00202286

“The review by Xavier-Elsas et al. focuses on the regulation of eosinopoiesis by endogenous molecules (e.g. IL5, eotaxin) and exogenous compounds (indomethacin and aspirin). The role of glucoproteins and cysteinyl-leukotrienes is emphasized. The paper is interesting and well written. It explores the different pathways involved in the eosinopoiesis. The authors have an experience in the field attested by numerous papers. The paper is well illustrated. There are very few typos. Even if the review focuses on a small population of circulating blood cells, these cells are important in numerous processes and pathologies. It will be useful to readers interested in HSCs, but also in allergic diseases.”

We thank this reviewer for the kind comments on our manuscript as well as by the detailed assessment of its contents. We have thoroughly revised the text for typos, and

hopefully corrected all of them. Such corrections are marked in yellow throughout the text of the revised manuscript.

We have checked on the edited MS available at the Journal's site, and found no request for further changes. Having thus addressed all the comments made during the review process, we hope the paper is now acceptable for publication at the Journal.

Best regards,

Pedro Xavier-Elsas, MD, PhD,

Associate Professor

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