Author's response to reviews

Title: Human Pregnanate X receptor is expressed in human breast carcinomas. Potential heterodimer formation between hPXR and RXR-alpha

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Author's response to reviews: see over
Dear Sir,

Herewith I am enclosing the revised version of the manuscript entitled HUMAN PREGNANE X RECEPTOR IS EXPRESSED IN HUMAN BREAST CARCINOMAS. POTENTIAL HETERODIMERS FORMATION BETWEEN hPXR AND RXR-α (I Conde, MVT Lobo, J Zamora, J Pérez, FJ González, E Alba, B Fraile, R Paniagua, MI Arenas), which has been made taking into account the referees’ reports.

We are enclosing text, figures, together with a letter of explanation of changes made following the referees’ concerns.

I hope that the revised manuscript merits now publication in BMC CANCER.
LETTER EXPLAINING THE CHANGES MADE FOLLOWING THE REVIEWERS’ COMMENTS

Reviewer 1
This referee has no comments.

Reviewer 2
This reviewer has not additional comments.

Reviewer 3
Major Points
In this manuscript, the authors still confuse SXR with PXR (ex. Page 3, 1st paragraph). The author should distinguish SXR reports and PXR reports in the sections of Introduction and Discussion.

The first paragraph on page 3 has been rewritten and we have distinguished between SXR reports and PXR reports throughout this revised version of our manuscript.

....It is already reported the expression of SXR protein in human breast normal/disorders including ADH, DCIS, and IDC. The authors should respect and quote past reports.

Previously, the report by Miki et al. (2006) had been quoted in the Discussion section; however, in this new version, this report is also quoted in the Introduction section (see page 3, lines 27-30).

Minor Points
-Tables “Fisher’s exact test”. I think there were no descriptions about this statistical method. The authors should reaffirm statistics processing (including significant differences by ANOVA).

According to the referee’s comment, we have rewritten statistical analyses section to include a reference to Fisher exact test and to the non-parametric one-way ANOVA (Kruskal-Wallis test) (see page 6, lines 19-29). Results of this last analysis are shown in a new version of Table 1.

- Page 8, line 12: Fischer’s into Fisher’s.

The spelling mistake has been corrected.

- Ref. 18: Expresión into Expression

This typewritten mistake has been emended.

Reviewer 4
This referee has not any comments.