

ANSWERS TO THE REVIEWERS



June 11, 2013

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 3264-revised manuscript.doc) and Figures (3264-Figure 1.tif; 3264-Figure 2.tif; 3264-Figure 3.tif; 3264-Figure 4.tif; 3264-Figure 5.tif; 3264-Figure 6.tif)

Title: Human adipose tissue contains erythroid progenitors expressing fetal hemoglobin

Author: Amparo Navarro, Francisco Carbonell-Uberos, Severiano Marín, María Dolores Miñana

Name of Journal: *World Journal of Stem Cells*

ESPS Manuscript NO: 3264

Following your instructions, the manuscript has been copyedited by the "American Journal Experts" Company. Please, find enclosed the "Editorial Certificate"

Revision has been made according to the suggestions of the reviewer 00573611

(1) The title is improper. The authors used SVF-derived CD45+ and CD45- cells, but not CD45-/CD34+ cells, in the experiments. There is no direct evidence to indicate that human adipose CD34+ cells contain erythroid progenitors expressing fetal hemoglobin. The authors should revise the title of manuscript.

In the revised version of the manuscript, the title is the following: "Human adipose tissue contains erythroid progenitors expressing fetal hemoglobin"

(2) The authors concluded that hematopoietic progenitors from SVF are not derived from bone marrow, but originate in the adipose tissue itself. However, there is currently not enough evidence to support this conclusion. The authors should provide more evidence to support this conclusion.

According to your suggestions, the "Conclusion" section of the "Abstract", and the last sentences of the "Discussion" (lines 12-17) have been rewritten.

(3) In Figures 3 and 4, there are not easy to read the meanings of sub-figures/figures. The captions of sub-figures should be added in these figures.

To improve readability of Figures 3 and 4, we have grouped each one in two figures. So, data contained in figure 3 correspond to Figures 3 and 6 in the revised version of the manuscript. Figure 4 in the old version of the manuscript corresponds to Figures 4 and 5 in the revised version.

Revision has been made according to the suggestions of the reviewer 02446087

(1) English writing can be improved, especially in the whole section of the Abstract. For instance, the last sentence of Materials and Methods section of the Abstract (lines 13 to 16, p.2) and the third sentence of Results section of the Abstract (lines 22 to 26, p.2) are convoluted and difficult to read. The writing of the second sentence of the Results of Abstract (lines 21 to 22, p.2) is unclear: according to that sentence, GATA1 was expressed in both SVF cells and CB CD34+ cells, so what was the purpose of this sentence?

According to your suggestions, the whole section of the Abstract has been rewritten. Moreover, English writing has been greatly improved because the manuscript has been copyedited by Experts.

(2) The arrangement of graphs in Figure 4 (p.28) is asymmetrical, thus it is difficult to compare the results among them. Specifically, the right lower two graphs are different from the other 10 graphs, thus they should be grouped together and put independently.

The right lower two graphs in Figure 4 have been put in a new Figure (Figure 5 in the revised version of the manuscript)

(3) I suggest that authors reword the Conclusion of the Abstract, because all of their supporting evidences in this paper were indirect. My personal view is that such strong statement of the authors can only be made with the definite results derived from the conditional BM MSC knock-out mouse model.

According to your suggestions the Conclusion of the Abstract has been rewritten.

We believe that the manuscript has greatly improved thanks to suggestions from reviewers.

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

Sincerely yours,

A handwritten signature in blue ink, appearing to read 'Miñana', with a long horizontal line extending to the right.

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