

Format for ANSWERING REVIEWERS

October 20, 2014



Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 13011-review.doc).

Title: CD271 as a marker to Identify Mesenchymal Stem Cells from Diverse Sources before Culture

Author: María Álvarez-Viejo, Yolanda Menéndez-Menéndez, Jesús Otero-Hernández

Name of Journal: World Journal of Stem Cells

ESPS Manuscript NO: 13011

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

1 Format has been update. English revised

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

(1) (646562) According with that referee we included in the article:

1. A reference of Mabuchi A previous study by Mabuchi and colleagues (Stem Cell Rep 1: 152, 2013) shows that CD271 expression in combination with other markers allows for the selection of more primitive MSCs with better differentiation potentials (in human beings).

Mabuchi Y, Morikawa S, Harada S, Niibe K, Suzuki S, Renault-Mihara F, Houlihan DD, Akazawa C, Okano H, Matsuzaki Y. LNGFR(+)THY-1(+)VCAM-1(hi+) cells reveal functionally distinct subpopulations in mesenchymal stem cells. *Stem Cell Reports*. 2013; 11;1(2):152-165.

2. We included the reference a Hines WC, Su Y, Kuhn I, Polyak K, Bissell MJ. Sorting out the FACS: a devil in the details. *Cell Rep*. 2014;13;6(5):779-81.

3. We did not include reference to the articles by Bruno Peault's group (Crisan et al., 2008; Corselli et al., 2012) in which they showed that MSCs derived from pericytes and/or adventitial cells *in vivo* because that paper is really interesting but we could not find nothing about CD271, that is the marker focused our paper.

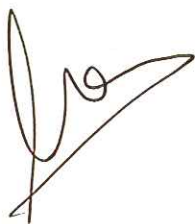
(2) (504025) referee "The phenotypic expression of CD271 of mesenchymal stem cells needs to compare with others to CD73, CD90 and CD105. It will be desirable more discussions about these". These markers CD73, CD90 and CD105 are specifically for MSC cultured cells and our paper is about MSC before culture. This is the reason we did not include this topic.

(3) (2438878) we removed "literature" such us referee suggested

3 References and typesetting were corrected

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

Sincerely yours,

A handwritten signature in black ink, consisting of a stylized, cursive letter 'V' or 'W' followed by a small circle and a long, sweeping horizontal stroke that ends in a small upward flick.