

Format for ANSWERING REVIEWERS



February 14, 2015

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 16367-review.doc).

Title: HDACs and cardiovascular cell lineage commitment

Author: Junyao Yang, Qian Wang, Wen Wang, Lingfang Zeng

Name of Journal: *World Journal of Stem Cells*

ESPS Manuscript NO: 16367

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) **Minor comment: Please add a legend to Table 1, describing in detail what information is provided.**

Firstly, we would like to thank the reviewer for identifying an area where our paper required more in depth information. We have added a legend to Table 1. to describe in detail.

Different HDACs(HDAC1,2,3,4,5,7,8) play different roles in stem cell differentiation toward different cell lineages, HDACs and their potential roles in cardiovascular lineage(ECs, SMCs,CSCs) commitment are summarized in Table 1.

- (2) **Please list 5-10 key words, selected mainly from Index Medicus, which reflect the content of the study.**

Thank you for remind me about the key words. I have add the 5 key words: HDACs; stem cell; endothelial cell; smooth muscle cell; cardiovascular diseases.

- (3) **Please offer the postcode! Thank you!**

I have add the postcode 510515

- (4) **Please write a summary of less than 100 words to outline the most innovative and important arguments and core contents in your paper to attract readers. Audio Core Tip In order to attract readers to read your full-text article, we request that the first author make an audio file describing your final core tip. This audio file will be published online, along with your article. Please submit audio files according to the following specifications: Acceptable file formats: .mp3, .wav, or .aiff Maximum file size: 10 MB. To achieve the best quality, when saving audio files as an mp3, use a setting of 256 kbps or higher for stereo or 128 kbps or higher for mono. Sampling rate should be either 44.1 kHz or 48 kHz. Bit rate should be either 16 or 24 bit. To avoid audible clipping noise, please make sure that audio levels do not exceed 0 dBFS.**

Thank you. I have add the core tip:

Core tip: Stem cell differentiation toward vascular cell lineages is an area of important active research at present. HDACs are found to play crucial roles in cardiovascular diseases. Through modulating the homeostasis of acetylation status in histone and non-histone proteins

and regulating grow factor activities, HDACs participate in stem cell differentiation and vascular cell homeostasis. In this review we provide an update on the roles of HDACs and HDAC inhibitors (HDACi) on stem cell differentiation toward vascular cell lineages. About the audio core tip, I would like to sent you by email.

(5) **In addition, the abstract were modified(words 201).**

3 References and typesetting were corrected

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

Sincerely yours,



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