

ANSWERING REVIEWERS

September 12, 2014

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: ESPS Manuscript No.12623-Review).

Title: Neural differentiation from embryonic stem cells in vitro: an overview of the signaling pathways

Author: Jen-Hua Chuang, Li-Chu Tung, and Yenshou Lin

Name of Journal: *World Journal of Stem Cells*

ESPS Manuscript NO: 12623

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

1. The format has been updated on the title page. All the changes throughout the text have also been highlighted.
2. A Core Tip section has been added.
3. Revisions have been made according to the suggestions of the reviewer. These are as follows
 - 1) some discussion regarding the role of calcineurin and calcium has been added, see page 16
 - 2) some discussion regarding the role of purinergic receptors has been added, see page 7
 - 3) a paragraph has been added to review on the effect of physical stimuli, such as electromagnetic fields and radiofrequency waves, see page 20
 - 4) minor typos have been corrected.
 - 5) as one of the reviewer suggested, we have now emphasized the relevant mESC and hESC research to distinguish each case throughout the text.
3. References and typesetting have been corrected

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

Sincerely yours,

A handwritten signature in black ink, reading 'Yen Shou Lin'.

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