

Format for ANSWERING REVIEWERS



September 4, 2014

Dear Editor,

Please find enclosed the revised manuscript in Word format (file name: 12727-review.doc).

Title: Pluripotent stem cell-derived neural stem cells: From basic research to applications

Author: Masahiro Otsu, Takashi Nakayama, Nobuo Inoue

Name of Journal: *World Journal of Stem Cells*

ESPS Manuscript NO: 12727

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 reviewers.

(1) Following the comments suggested by 1st reviewer, I described another neuronal differentiation method, dual-Smad inhibitor protocols in the revised version of our manuscript.

(2) Following the points raised by second reviewer, I improved the manuscript to give more scientific information as described below:

- I described the effects of LIF and FGF-2 on maintaining the undifferentiated state of ES cells.
- I wrote the information about the effect of enzymatic digestion for preparation of EBs.
- I revised this manuscript to improve the explanation about the functions of galectin-1, which is one of the proteins identified by proteomic analyses during early neurodevelopment.
- I described another case of the cell-based therapies for spinal cord injury (SCI) by using neural stem sphere-derived neural cells.

(3) Following the points raised by second reviewer, I edit some abbreviations (CNS and PD) and the tense of verbs.

3 References and typesetting were corrected

We thank you for considering our paper for publication in the *World Journal of Stem Cells* and look forward to hearing from you at your earliest convenience.

Sincerely yours,

A handwritten signature in black ink that reads 'Nobuo Inoue'.

Nobuo INOUE, Ph.D.

Laboratory of Regenerative Neurosciences

Department of Frontier Health Sciences
Graduate School of Human Health Sciences
Tokyo Metropolitan University
7-2-10 Higashiogu, Arakawa-ku,
Tokyo 116-8551, Japan
Tel: +81-3-3819-7382
Fax: +81-3-3819-1406
E-mail: jun-inoue@bg8.so-net.ne.jp