

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 dark ink, appearing to read '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