

Format for ANSWERING REVIEWERS



January 21, 2014.

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 7889-reviewR1.docx).

Title: Familial Alzheimer's Disease Modelling Using iPS Cell Technology

Author: Lisa Mohamet, Natalie Miazga & Christopher. M. Ward

Name of Journal: *World Journal of Stem Cells*

ESPS Manuscript NO: 7889

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

1 Format has been updated.

Please note change of title. Also, included core tip (lines 58-68).

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

(1) "However, there are some minor points that should be addressed. Firstly, the authors postulate 2007 as the birth year of iPS cells, while the first description has been 2006 (Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. Takahashi K, Yamanaka S. Cell. 2006 Aug 25;126(4):663-76.). The authors should either specify the 2007 paper as "human iPS" or cite the 2006 paper instead"

Text corrected to "human" (line 104).

(2)"Secondly, the reviewer had problems to reproduce Figure 2. It is not specified which NCBI database was searched for original research publications. Searching PubMed for [disease modelling AND iPS cells] yields 69 publications in total, while the authors state around 350. It should be specified which database was searched"

Corrected. Reviewer found discrepancy in search, this was due to the original search being performed using US English spelling of "modeling"and not modelling (UK English). This has been amended and database specified (lines 129 and 364).

(3) "A more general comment is the purity of differentiated iPS cells. Israel et al. used >90% pure differentiated neurons to perform their experiments. How relevant is this for AD, which involves multiple cell types, such as glial cells? Novel drugs could also target other cell types in the brain, which would not be detected by the proposed HCS method. A short comment would be appreciated."

Paragraph included (lines 309-316).

3 References and typesetting were corrected

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

Sincerely yours,

Dr. Chris Ward (on behalf of all the authors)