

November 18, 2014

Dear Dr. Xiu-Xia Song,

Please find enclosed the edited manuscript in Word format (file name: 14378-Review.docx).

Title: Protein seeding in AD and PD; similarities and differences

Author: Tarek Ibrahim, JoAnne McLaurin

Name of Journal: *World Journal of Neurology*

ESPS Manuscript NO: 14378

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

1 Revision has been made according to the suggestions of the reviewers

- (1) The manuscript now mentions the existence of dementia in some cases of PD as well as the underlying pathology between tau, alpha synuclein and beta amyloid. (Reviewer 00646541) – pg. 3 (third paragraph of Introduction section)
- (2) Now included in the manuscript is a more general introduction of the role of protein misfolding in neurodegenerative diseases such as ALS (Reviewer 00431211) – pg. 4 (first paragraph of Amyloidogenic Proteins section)
- (3) Addition of a figure illustrating mechanisms that are suggested to underlie transfer in AD and PD (Reviewer 00646541 ; 00431211) – pg. 24
- (4) Addition of a table summarizing similarities and differences of seeding in Alzheimer's disease and Parkinson's disease. (Reviewer 00646541) – pg. 25

2 Updating of literature to include most recent studies of seeding in AD and PD
(pg. 13, third and fourth paragraph of Animal Models section)

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

Sincerely yours,

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