

Dear Dr. Lian-Sheng Ma,

Please find enclosed the revised manuscript in Word format (file name "Revised manuscript NO: 65149").

Title: Metabotropic glutamate receptors and nitric oxide in dopaminergic neurotoxicity.

Author: Valentina Bashkatova, Ph.D.

Name of Journal: World Journal of Psychiatry

Manuscript NO.: 65149

Manuscript Type: Invited review

Thank you very much for your kind e-mail, which gave us the possibility to revise our manuscript. Corrections carried out according to the comments of the reviewers. I do hope this revision will make my manuscript better to be accepted in the World Journal of Psychiatry.

Each comment has been answered accordingly in the manuscript and each text that has been altered **was highlighted blue** in the revised manuscript. I hope that the revised version will fulfill the requirements for publication in the World Journal of Psychiatry.

Thank you very much.

Reply to comments of Reviewer #1:

1 Line 10 of the title MODELS OF DOPAMINERGIC NEUROTOXICITY, is [Betarbet 2002] a clerical error?

Answer: Thank you. Yes, it was a clerical error. "Betarbet 2002] was deleted". Sorry.

2. Line 22 of the title MODELS OF DOPAMINERGIC NEUROTOXICITY, is In 2000, Betarbet et al a clerical error?

Answer: Thank you. Corrected sentence is "Betarbet *et al*^[42] reported that chronic, systemic introduction of rotenone, an inhibitor of mitochondrial complex I, accurately replicates many aspects of the pathology of PD."

3. Title MODELS OF DOPAMINERGIC NEUROTOXICITY the reciprocal 1-2 lines, "However, while the behavioral effects of rotenone administration are well characterized, the mechanisms" this sentence is incomplete.

Answer: Thank you. The correct sentence is "However, while the behavioral effects of rotenone administration are well characterized, the mechanisms of rotenone action are still poorly understood".

Reply to comments of Science editor:

It is best to add 1-2 illustrations more persuasive.

Answer: I add one figure "Proposed scheme for involvement of NO and mGluR5 in rotenone-induced dopaminergic neurotoxicity".

Thank you for considering the review.

Sincerely yours,

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