

PEER-REVIEW REPORT 2

Name of journal: Neural Regeneration Research

Manuscript NO: NRR-D-18-00297

Title: Regulation of neural stem cell fate decisions by mitochondrial dynamics

Reviewer's Name: L. Buzanska

Reviewer's country: Poland

Date sent for review: 2018-05-10

Date reviewed: 2018-05-24

Review time: 14 Days

Your peer review comments will be published as an open peer review report. Do you agree to have your name included with the published article?

Yes

COMMENTS TO AUTHORS

This is an excellent and comprehensive comment on the interesting field of investigation regarding the role of mitochondrial dynamics in driving neural stem cell. The set of papers coming out from Ruth Slack laboratory, that the author refer to in this paper, gives the strong evidence and provide mechanistic data (both in vitro and in vivo), on the crucial role of mitochondrial in the neural commitment and was definitely worth to be given such focused attention. I may only suggest that recently papers appeared on the possible involvement of the mitochondrial biogenesis in the neural fate specification (Augustyniak et al. 2017 Tox in Vitro, Augustyniak et al. 2017 Biogerontology).