

OPEN PEER REVIEW REPORT 2

Name of journal: Neural Regeneration Research

Manuscript NO: NRR-D-21-00191

Title: Promoting axon regeneration in the central nervous system by increasing PI3-kinase signaling

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Reviewer's country: UK

COMMENTS TO AUTHORS

This is an original and authoritative review on the role of PI3K in axon regeneration after injury with discussion of the implications during development and aging.

I enjoyed reading it

While I understand that the review focuses on neuronal intrinsic mechanisms, injury responses very much rely on cell-cell communication.

I would suggest to add a section discussing the role of PI3K signalling in neuronal-immune-glial communication after injury.

Also, in this context, a useful reference that could be cited is Hervera et al., Nature cell biology, 2018.