PEER-REVIEW REPORT 1

Name of journal: Neural Regeneration Research
Manuscript NO: NRR-D-18-00431
Title: Finding a way to preserve mitochondria: new pathogenic pathways in experimental multiple sclerosis
Reviewer's Name: Jing Wang
Reviewer's country: USA
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COMMENTS TO AUTHORS

Strengths: good written article, good reference, good topic
Weakness: maybe deeper mechanisms can be explored further under this topic.

This is a well written review article. The authors introduced a very interesting yet not fully explored research area: inflammation, not demyelination itself, impairs the function of axon by destroy the energy supply of axons. The points are made clear and the background are sufficiently provided for anyone to understand the importance of mitochondria function for maintaining axon wellness. To illustrate the major points, the authors cited significant papers in this research field as solid evidence. I have no opinions against publication except one minor comment: minocycline is not a microglia-specific drug, but PLX 3397 is. Is there any evidence of using PLX3397 would rescue mitochondria function in axons after FAD in EAE model? Thank you.