

## OPEN PEER REVIEW REPORT 1

**Name of journal:** Neural Regeneration Research

**Manuscript NO:** NRR-D-19-00626

**Title:** Muscovite nanoparticles mitigate neuropathic pain by modulating the inflammatory response and neuroglial activation in the spinal cord

**Reviewer's Name:** Ana Maria Blanco Martinez

**Reviewer's country:** Brazil

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### COMMENTS TO AUTHORS

The authors explored the analgesic effects of "muscovite" after a partial nerve ligation. The manuscript deals with a very important issue, since neuropathic pain is a major health problem worldwide. The manuscript is well designed and the results are interesting. There are, however, minor points that should be addressed by the authors:

1. In the abstract it is written that "muscovite .... has been used as an pro-inflammatory agent....".

Please check if this is correct;

2. In the methodology section for drug administration more information should be given for the drug such as source, preparation etc;

3. In the results sections please consider changing the orientation of the quantification graphs.