**Reviewer’s report**

**Title:** Neuroprotective effect of neuroserpin in non-tPA-induced intracerebral hemorrhage mouse models

**Version:** 0  **Date:** 08 Aug 2017

**Reviewer:** Richard Rison

**Reviewer’s report:**

Thank you for allowing me to review the manuscript entitled "Neuroprotective effect of neuroserpin in non-tPA-induced intracerebral hemorrhage mouse model". The authors studied any neuroprotective effects of NSP in cerebral hemorrhage (non tPA) in rats. This study is relevant as NSP neuroprotection has not been previously reported in hemorrhagic stroke animal models. It's an interesting study and I have no major concerns.

Minor comments:

Does your group have recent study showing that NSP has a neuroprotective effect on ischemic stroke in human patients (as stated in the background section)?

What is the sensitivity and specificity of western blot analysis for NSP expression?

What is the T 1/2 (half life) of NSP?

Please clarify the number of sham animals that were used.

"...we found that NSP expression reached a peak in the ICH48h group (Fig. 2A), consistent with the behavioral performance." Is this also found and expected in ischemic stroke animal models?

Please speculate further on the mechanism of neuroprotective effect of NSP in non-tPA-induced ICH.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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