

## PEER-REVIEW REPORT 1

**Name of journal:** Neural Regeneration Research

**Manuscript NO:** NRR-D-18-00446

**Title:** Cortical stimulation for treatment of neurological disorders of hyperexcitability: a role of homeostatic plasticity

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**Reviewer's country:** China

**Date sent for review:** 2018-07-05

**Date reviewed:** 2018-07-18

**Review time:** 13 Days

1. Do you consider this paper is hotspots or important areas in the research field related to neural regeneration?

Yes

2. Which area do you think this paper falls into? Neurorepair, neuroprotection, neuroregeneration or neuroplasticity.

Neuroplasticity

3. Is the manuscript technically sound, and do the data support the conclusions?

No comments

4. Has the statistical analysis been performed appropriately and rigorously?

No comments

5. Is the manuscript presented in an intelligible fashion and written in Standard English?

Yes

6. 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

Manuscript Rating Question(s):	Scale	Rating
The subject addressed in this article is worthy of investigation. (3 as the best score)	[1-3]	3
The information presented was new. (5 as the best score)	[1-5]	5

### COMMENTS TO AUTHORS

This paper reviewed the role of homeostatic plasticity in the mechanism and treatment of neurological disorders of hyperexcitability, such as acquired epilepsy and neuropathic pain. There were no major points which should be clarified. But, some written errors should be checked in manuscript. For example, in "Introduction" section, the sentence "Indeed, recent studies support the role of homeostatic plasticity in the mechanism and treatment of neuropathic pain, acquired epilepsy, and neuropathic pain" should be corrected.