

## Accepted Manuscript

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PII: S0304-3940(17)30772-3  
DOI: <http://dx.doi.org/10.1016/j.neulet.2017.09.030>  
Reference: NSL 33108

To appear in: *Neuroscience Letters*

Received date: 12-8-2017  
Revised date: 5-9-2017  
Accepted date: 12-9-2017

Please cite this article as: Yin-Hua Xu, Guang-Jian Zhang, Jing-Tong Zhao, Chun-Ping Chu, Yu-Zi Li, De-Lai Qiu, Roles of N-methyl-D-aspartate receptors during the sensory stimulation-evoked field potential responses in mouse cerebellar cortical molecular layer, *Neuroscience Letters* <http://dx.doi.org/10.1016/j.neulet.2017.09.030>

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**Title: Roles of N-methyl-D-aspartate receptors during the sensory stimulation-evoked field potential responses in mouse cerebellar cortical molecular layer**

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**Highlights:**

- NMDA dose-dependently inhibited the facial stimulation-evoked inhibitory responses in cerebellar molecular layer.
- NMDA enhanced the facial stimulation-evoked excitatory responses in the molecular layer.
- NMDARs blocker abolished the facial stimulation-evoked inhibitory responses in the molecular layer.

**Abbreviations:**

ACSF, artificial cerebrospinal fluid; GABA, gamma-aminobutyric acid; NMDARs,

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