## **Accepted Manuscript**

Title: Adiponectin modulates synaptic plasticity in

hippocampal dentate gyrus

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PII: \$0304-3940(17)30868-6

DOI: https://doi.org/10.1016/j.neulet.2017.10.042

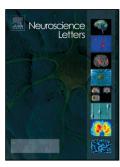
Reference: NSL 33186

To appear in: Neuroscience Letters

Received date: 18-3-2017 Revised date: 17-10-2017 Accepted date: 20-10-2017

Please cite this article as: Farideh Pousti, Ramesh Ahmadi, Fatemeh Mirahmadi, Narges Hosseinmardi, Kambiz Rohampour, Adiponectin modulates synaptic plasticity in hippocampal dentate gyrus, Neuroscience Letters https://doi.org/10.1016/j.neulet.2017.10.042

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## ACCEPTED MANUSCRIPT

### Adiponectin modulates synaptic plasticity in hippocampal dentate gyrus

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#### Running Title: Adiponectin modulates synaptic plasticity...

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#### Highlights:

- Adiponectin augments the induction of hippocampal long term potentiation.
- Intracerebroventricular adiponectin attenuates LFS-induced long term depression.
- Presynaptic mechanisms could be responsible for adiponectin-induced plasticity.
- Adiponectin could induce a chemical long term potentiation in the dentate gyrus.

#### **Abstract:**

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