

Accepted Manuscript

Title: Importance of major histocompatibility complex of class I (MHC-I) expression for astroglial reactivity and stability of neural circuits *in vitro*

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PII: S0304-3940(17)30257-4
DOI: <http://dx.doi.org/doi:10.1016/j.neulet.2017.03.038>
Reference: NSL 32726

To appear in: *Neuroscience Letters*

Received date: 22-1-2017
Revised date: 15-3-2017
Accepted date: 20-3-2017

Please cite this article as: André Luis Bombeiro, Rafaela Chitarra Rodrigues Hell, Gustavo Ferreira Simões, Mateus Vidigal de Castro, Alexandre Leite Rodrigues de Oliveira, Importance of major histocompatibility complex of class I (MHC-I) expression for astroglial reactivity and stability of neural circuits *in vitro*, *Neuroscience Letters* <http://dx.doi.org/10.1016/j.neulet.2017.03.038>

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Importance of major histocompatibility complex of class I (MHC-I) expression for astroglial reactivity and stability of neural circuits *in vitro*

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HIGHLIGHTS

- MHC-I expression knocking-down decreases astrogliosis
- β 2-microglobulin silenced astrocytes decrease gene expression of pro-inflammatory cytokines
- β 2-microglobulin silencing results in astrocyte atrophy by decreased expression of GFAP

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