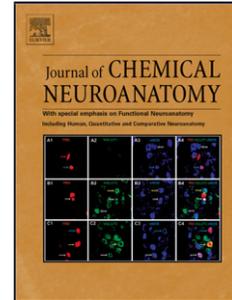


Accepted Manuscript

Title: Neural-derived estradiol regulates brain plasticity

Authors: Iñigo Azcoitia, Maria Angeles Arevalo, Luis M. Garcia-Segura



PII: S0891-0618(16)30237-X
DOI: <http://dx.doi.org/doi:10.1016/j.jchemneu.2017.04.004>
Reference: CHENEU 1484

To appear in:

Received date: 7-11-2016
Revised date: 16-3-2017
Accepted date: 12-4-2017

Please cite this article as: Azcoitia, Iñigo, Arevalo, Maria Angeles, Garcia-Segura, Luis M., Neural-derived estradiol regulates brain plasticity. *Journal of Chemical Neuroanatomy* <http://dx.doi.org/10.1016/j.jchemneu.2017.04.004>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Neural-derived estradiol regulates brain plasticity

Iñigo Azcoitia^{a,b}, Maria Angeles Arevalo^{b,c} and Luis M. Garcia-Segura^{b,c}

^a, Department of Cell Biology, Faculty of Biology, Universidad Complutense, Calle José Antonio Novais 12, Ciudad Universitaria, E-28040 Madrid, Spain; ^b, CIBER de Investigación Biomédica en Red de Fragilidad y Envejecimiento Saludable (CIBERFES), Instituto de Salud Carlos III, Madrid, Spain; ^c, Instituto Cajal, C.S.I.C., Avenida Doctor Arce 37; E-28002 Madrid, Spain

Author for correspondence: Luis M. Garcia-Segura, lmgs@cajal.csic.es

Highlights

- Estradiol is synthesized by neural cells.
- Brain estradiol synthesis is aromatase dependent.
- Neural-derived estradiol regulates neurogenesis and neuritogenesis.
- Neural-derived estradiol regulates synaptic function and plasticity.

Download English Version:

<https://daneshyari.com/en/article/8336146>

Download Persian Version:

<https://daneshyari.com/article/8336146>

[Daneshyari.com](https://daneshyari.com)