

Accepted Manuscript

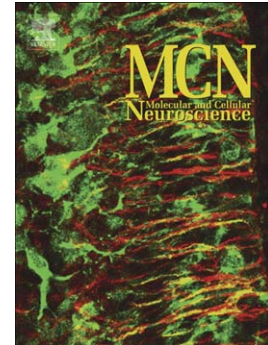
The absence of pleiotrophin modulates gene expression in the hippocampus *in vivo* and in cerebellar granule cells *in vitro*

Celia González-Castillo, Daniel Ortuño-Sahagún, Carolina Guzmán-Brambila, Ana Laura Márquez-Aguirre, Rita Raisman-Vozari, Mercé Pallás, Argelia E. Rojas-Mayorquín

PII: S1044-7431(16)30081-1
DOI: doi: [10.1016/j.mcn.2016.07.004](https://doi.org/10.1016/j.mcn.2016.07.004)
Reference: YMCNE 3105

To appear in: *Molecular and Cellular Neuroscience*

Received date: 19 June 2015
Revised date: 4 July 2016
Accepted date: 25 July 2016



Please cite this article as: González-Castillo, Celia, Ortuño-Sahagún, Daniel, Guzmán-Brambila, Carolina, Márquez-Aguirre, Ana Laura, Raisman-Vozari, Rita, Pallás, Mercé, Rojas-Mayorquín, Argelia E., The absence of pleiotrophin modulates gene expression in the hippocampus *in vivo* and in cerebellar granule cells *in vitro*, *Molecular and Cellular Neuroscience* (2016), doi: [10.1016/j.mcn.2016.07.004](https://doi.org/10.1016/j.mcn.2016.07.004)

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.

The absence of pleiotrophin modulates gene expression in the hippocampus *in vivo* and in cerebellar granule cells *in vitro*

González-Castillo Celia^{1§}, Ortuño-Sahagún Daniel^{2§*}, Guzmán-Brambila Carolina³, Márquez-Aguirre Ana Laura⁴, Raisman-Vozari Rita⁵, Pallás Mercé⁶ and Rojas-Mayorquín Argelia E.^{7.*}

¹ Doctorado en Ciencias en Biología Molecular en Medicina (DCBMM), CUCS, Universidad de Guadalajara, Jalisco, México.

² Instituto de Investigación en Ciencias Biomédicas (IICB), CUCS, Universidad de Guadalajara, Jalisco, México.

³ Tecnológico de Monterrey, División de Biotecnología y Salud, Escuela de Medicina, Campus Guadalajara, Jalisco, México.

⁴ Unidad de Biotecnología Médica y Farmacéutica, Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco A.C., 44270 Guadalajara, JAL, México.

⁵ Sorbonne Université UPMC UM75 INSERM U1127, CNRS UMR 7225, Institut du Cerveau et de la Moelle Epinière, Paris, France.

⁶ Department of Pharmacology and Medical Chemistry, Faculty of Pharmacy, Institute of Biomedicine (IBUB), Centros de Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBERNED), University of Barcelona, Spain.

⁷ Departamento de Ciencias Ambientales, Instituto de Neurociencias, CUCBA, Universidad de Guadalajara, Jalisco, México.

Running title: Pleiotrophin modulates gene expression *in vitro* and *in vivo*

§ these authors contributed equally to this work

* Corresponding authors:

Argelia Rojas, Instituto de Neurociencias, CUCBA, Universidad de Guadalajara, Fco de Quevedo, Guadalajara, 44340 Jalisco, México. Email: argelia.rojas@cucba.udg.mx.

Daniel Ortuño-Sahagún, Instituto de Investigación en Ciencias Biomédicas (IICB), CUCS, Universidad de Guadalajara, Guadalajara, Jalisco, México. Phone: (+52) (33) 3777 1191, ext, 33742; Email: dortuno@cucs.udg.mx.

Download English Version:

<https://daneshyari.com/en/article/8478466>

Download Persian Version:

<https://daneshyari.com/article/8478466>

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