

## Accepted Manuscript

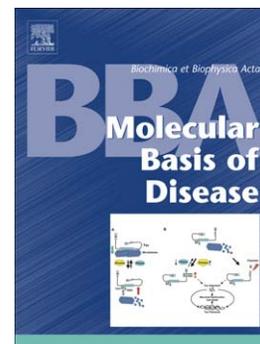
Fructose consumption reduces hippocampal synaptic plasticity underlying cognitive performance

Pedro Cisternas, Paulina Salazar, Felipe G. Serrano, Carla Montecinos-Oliva, Sebastián B. Arredondo, Lorena Varela-Nallar, Salesa Barja, Carlos P. Vio, Fernando Gomez-Pinilla, Nivaldo C. Inestrosa

PII: S0925-4439(15)00243-4  
DOI: doi: [10.1016/j.bbadis.2015.08.016](https://doi.org/10.1016/j.bbadis.2015.08.016)  
Reference: BBADIS 64295

To appear in: *BBA - Molecular Basis of Disease*

Received date: 11 May 2015  
Revised date: 5 August 2015  
Accepted date: 19 August 2015



Please cite this article as: Pedro Cisternas, Paulina Salazar, Felipe G. Serrano, Carla Montecinos-Oliva, Sebastián B. Arredondo, Lorena Varela-Nallar, Salesa Barja, Carlos P. Vio, Fernando Gomez-Pinilla, Nivaldo C. Inestrosa, Fructose consumption reduces hippocampal synaptic plasticity underlying cognitive performance, *BBA - Molecular Basis of Disease* (2015), doi: [10.1016/j.bbadis.2015.08.016](https://doi.org/10.1016/j.bbadis.2015.08.016)

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.

**Fructose consumption reduces hippocampal synaptic plasticity  
underlying cognitive performance**

Pedro Cisternas<sup>a</sup>, Paulina Salazar<sup>a</sup>, Felipe G. Serrano<sup>a</sup>, Carla Montecinos-Oliva<sup>a</sup>,  
Sebastián B. Arredondo<sup>b</sup>, Lorena Varela-Nallar<sup>b</sup>, Salesa Barja<sup>c</sup>, Carlos P. Vio<sup>a</sup>,  
Fernando Gomez-Pinilla<sup>d</sup> and Nivaldo C. Inestrosa<sup>a,e,f,g,#</sup>

<sup>a</sup>Centro de Envejecimiento y Regeneración (CARE), Facultad de Ciencias Biológicas,  
Pontificia Universidad Católica de Chile, Santiago, Chile

<sup>b</sup>Center for Biomedical Research, Faculty of Biological Sciences and Faculty of  
Medicine, Universidad Andres Bello, Santiago, Chile

<sup>c</sup>Departamento de Pediatría, Facultad de Medicina, Pontificia Universidad Católica de  
Chile, Santiago, Chile

<sup>d</sup>Department of Integrative Biology and Physiology, University of California, Los  
Angeles, CA, USA

<sup>e</sup>Centre for Healthy Brain Ageing, School of Psychiatry, Faculty of Medicine,  
University of New South Wales, Sydney, Australia

<sup>f</sup>Centro de Excelencia en Biomedicina de Magallanes (CEBIMA), Universidad de  
Magallanes, Punta Arenas, Chile

<sup>g</sup>Centro UC Síndrome de Down, Pontificia Universidad Católica de Chile, Santiago,  
Chile

<sup>#</sup>Correspondence to: Dr. Nivaldo C. Inestrosa, CARE Biomedical Center, Faculty of  
Biological Sciences, Pontificia Universidad Católica de Chile, Alameda 340, P. O.  
Box 114-D, Santiago, Chile. E-mail: ninestrosa@bio.puc.cl

**Keywords:** *Fructose, Diabetes, Metabolic Syndrome, neuronal dysfunction.*

Download English Version:

<https://daneshyari.com/en/article/1904548>

Download Persian Version:

<https://daneshyari.com/article/1904548>

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