

## Accepted Manuscript

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Author: Oriol Busquets Miren Ettcheto Mercè Pallàs Carlos Beas-Zarate Ester Verdaguer Carme Auladell Jaume Folch Antoni Camins



PII: S0047-6374(16)30085-9  
DOI: <http://dx.doi.org/doi:10.1016/j.mad.2016.11.002>  
Reference: MAD 10895

To appear in: *Mechanisms of Ageing and Development*

Received date: 2-6-2016  
Revised date: 26-9-2016  
Accepted date: 11-11-2016

Please cite this article as: Busquets, Oriol, Ettcheto, Miren, Pallàs, Mercè, Beas-Zarate, Carlos, Verdaguer, Ester, Auladell, Carme, Folch, Jaume, Camins, Antoni, Long-term exposition to a high fat diet favors the appearance of  $\beta$ -amyloid depositions in the brain of C57BL/6J mice. A potential model of sporadic Alzheimer's disease. *Mechanisms of Ageing and Development* <http://dx.doi.org/10.1016/j.mad.2016.11.002>

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# Long-term exposition to a high fat diet favors the appearance of $\beta$ -amyloid depositions in the brain of C57BL/6J mice. A potential model of sporadic Alzheimer's disease

Oriol Busquets<sup>1,2,4</sup>, Miren Ettcheto<sup>2,4</sup>, Mercè Pallàs<sup>2,4,5</sup>, Carlos Beas-Zarate<sup>6</sup>, Ester Verdaguer<sup>3,4,5</sup>, Carme Auladell<sup>3,4,5</sup>, Jaume Folch<sup>§1,4</sup> and Antoni Camins<sup>§2,4,5</sup>

<sup>1</sup>Departament de Bioquímica i Biotecnologia, Facultat de Medicina i Ciències de la Salut, Universitat Rovira i Virgili, Reus, Tarragona, Spain.

<sup>2</sup>Departament de Farmacologia, Toxicologia i Química Terapèutica, Facultat de Farmàcia i Ciències de l'Alimentació, Universitat de Barcelona, Barcelona, Spain

<sup>3</sup>Departament de Biologia Cel·lular, Fisiologia i Immunologia, Facultat de Biologia, Universitat de Barcelona, Barcelona, Spain.

<sup>4</sup> Biomedical Research Networking Center in Neurodegenerative Diseases (CIBERNED), Madrid, Spain.

<sup>5</sup>Institut de Neurociències, Universitat de Barcelona, Barcelona, Spain.

<sup>6</sup>Laboratorio de Regeneración y Desarrollo Neural, Instituto de Neurobiología, Departamento de Biología Celular y Molecular, CUCBA, Guadalajara, México

Correspondence/Reprint request:

Dr. Antoni Camins,

Unitat de Farmacologia i Farmacognòsia, Facultat de Farmàcia, Centros de Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBERNED).

Universitat de Barcelona.

Barcelona, Avinguda/Juan XXIII, Spain.

e-mail: camins@ub.edu

## Highlights

- High fat diet induced the deposition of the  $\beta$ -amyloid peptide in brain mice
- High fat diet induced a brain neuroinflammatory process
- High fat diet induced a dysregulation in autophagy and apoptosis

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