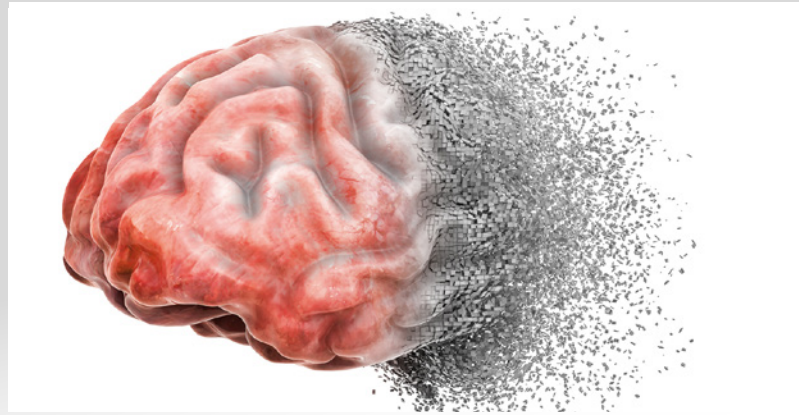




3.1 Neuroscience Area



 Publications: **17**  Impact Factor: **122.259**  QI: **16**

Neuroprotective Strategies in Neurodegenerative Diseases Group

Research Activity

Doctoral theses

Pajares Cabetas M. Transcription factor NRF2 regulates de expression of autophagy genes[dissertation]. Madrid: Universidad Autónoma de Madrid: 2018(19/10/2018).

Director: Cuadrado Pastor A.



Rubio Caballero C. Changes in gut microbiota associated to inflammation during ageing ans non-alcoholic steatohepatitis[dissertation]. Madrid: Universidad Autónoma de Madrid: 2018(14/12/2018).

Director: Martínez Valverde A.



Villar Lorenzo A. Papel del sustrato del receptor de la insulina 2 en la susceptibilidad al daño colestático en el hígado[dissertation]. Madrid: Universidad Autónoma de Madrid: 2018(25/10/2018).

Director: Martínez Valverde A.

Publications

- Alcalde-Estévez E, Arroba AI, Sánchez-Fernández EM, Mellet CO, Fernández JMG, Masgrau L, Valverde AM. The sp(2)-iminosugar glycolipid 1-dodecylsulfonyl-5N,6O-oxomethylidenenojirimycin (DSO2-ONJ) as selective anti-inflammatory agent by modulation of hemeoxygenase-1 in Bv.2 microglial cells and retinal explants. *Food Chem Toxicol.* 2018; 111: 454-66. Article. IF: 3.775; Q1
- Arroba AI, Campos-Caro A, Aguilar-Diosdado M, Valverde AM. IGF-1, Inflammation and retinal degeneration: A close network. *Front Aging Neurosci.* 2018; 10: 203. Review. IF: 3.633; Q2
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- Cuadrado A, Manda G, Hassan A, Alcaraz MJ, Barbas C, Daiber A, Ghezzi P, León R, Lopéz MG, Oliva B, Pajares M, Rojo AI, Robledinos-Antón N, Valverde AM, Guney E, Schmidt HHHW. Transcription factor NRF2 as a therapeutic target for chronic diseases: A systems medicine approach. *Pharmacol Rev.* 2018; 70(2): 348-83. Review. IF: 18.84; D1

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- Ghezzi P, Floridi L, Boraschi D, Cuadrado A, Manda G, Levic S, D'Acquisto F, Hamilton A, Athersuch TJ, Selley L. Oxidative stress and inflammation induced by environmental and psychological stressors: A biomarker perspective. *Antioxid Redox Sign*. 2018; 28(9): 852-72. Review. IF: 5.828; Q1
- González-Rodríguez A, Valdecantos MP, Rada P, Addante A, Barahona I, Rey E, Pardo V, Ruiz L, Laiglesia LM, Moreno-Aliaga MJ, García-Monzón C, Sánchez A, Valverde AM. Dual role of protein tyrosine phosphatase 1B in the progression and reversion of non-alcoholic steatohepatitis. *Mol Metab*. 2018; 7: 132-46. Article. IF: 6.181; Q1
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Public projects

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Management centre: UAM

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Private projects

Martínez Valverde A. Experimental designs for studies on the role of G49 in diet-induced obesity (DIO) in mice and human cells: Impact on inflammation and mitochondria. Astrazeneca. 2018-2019.

Management centre: CISC

International projects

Cuadrado Pastor A. Knowledge transfer in redox biology for developing advanced molecular tools in neurodegenerative diseases - focus on the signature of Nrf2 transcription factor in diagnosis and therapy (ID: P37_732). European Union. 2016-2020.

Management centre: Victor Babes National Institute of Pathology. (Bucharest)



3.1 Neuroscience Area



Martínez Valverde A. TREATMENT - Training European Network: Metabolic Dysfunctions associated with Pharmacological Treatment of Schizophrenia. (GA721236). EU H2020. 2017-2020.

Management centre: CISC

Patents and trademarks

Cuadrado Pastor A, Innamorato NG, inventors: CSIC, UAM. Use of sulforaphane as supplementary therapy for early-stage neurodegenerative disease. P201231693; 2012 November 06.

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