

Neuroprotective functions of autophagy regulators in Alzheimer's disease

<https://www.neurodegenerationresearch.eu/survey/neuroprotective-functions-of-autophagy-regulators-in-alzheimers-disease/>

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Institution

Funder

NHMRC

Contact information of fellow

Country

Australia

Title of project/programme

Neuroprotective functions of autophagy regulators in Alzheimer's disease

Source of funding information

NHMRC

Total sum awarded (Euro)

€ 289,536

Start date of award

01/01/16

Total duration of award in years

5.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias

Keywords

amyloid beta-protein | autophagy | neurodegeneration | amp-activated protein kinase | protein phosphatase

Research Abstract

The accumulation of the beta amyloid protein has a central role in AD and enhancing its removal improves memory loss in animal AD models. This project builds on my recent finding of regulators of a cell housekeeping system, “autophagy” which accelerate removal of beta amyloid in cells. This study will advance knowledge into the protective functions of the autophagy regulators in reducing AD symptoms. Findings from this work might provide the basis for developing effective anti-AD therapeutics.

Types:

Fellowships

Member States:

Australia

Diseases:

Alzheimer's disease & other dementias

Years:

2016

Database Categories:

N/A

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