

Brain metal neurochemistry: mechanism-driven drug discovery for neurodegeneration

<https://www.neurodegenerationresearch.eu/survey/brain-metal-neurochemistry-mechanism-driven-drug-discovery-for-neurodegeneration/>

Name of Fellow

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Institution

Funder

NHMRC

Contact information of fellow

Country

Australia

Title of project/programme

Brain metal neurochemistry: mechanism-driven drug discovery for neurodegeneration

Source of funding information

NHMRC

Total sum awarded (Euro)

€ 578,818

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

alzheimer disease | metal metabolism | biomarkers | iron | protein biochemistry

Research Abstract

Alzheimer's disease (AD) is a complex disease where certain proteins congeal in the brain and

metals accumulate. This project investigates the function of the proteins in microscopically transporting the metals. It will also look for tests that predict the onset of AD by measuring iron and iron related proteins by using special brain imaging (MRI), and measurements in spinal fluid. Finally, it will test drug candidates that target the metals, in animal models of AD, and in early clinical trials.

Types:

Fellowships

Member States:

Australia

Diseases:

Alzheimer's disease & other dementias

Years:

2016

Database Categories:

N/A

Database Tags:

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