

Tau and APP interactions in Neurodegeneration

<https://neurodegenerationresearch.eu/survey/tau-and-app-interactions-in-neurodegeneration/>

Name of Fellow

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Institution

Funder

NHMRC

Contact information of fellow

Country

Australia

Title of project/programme

Tau and APP interactions in Neurodegeneration

Source of funding information

NHMRC

Total sum awarded (Euro)

€ 130,043

Start date of award

01/01/13

Total duration of award in years

4.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias

Keywords

alzheimer disease | microtubule associated protein (map) | parkinson disease | iron transport | amyloid precursor protein

Research Abstract

Recently I co-discovered a novel relationship between the Alzheimer's amyloid precursor

protein and tau, both of which play a role in regulating neuronal iron levels. I predict that multiple failures in iron-regulating systems could foster a toxic iron accumulation in brain, leading to the development of neurodegenerative diseases. I hope to gain a better understanding of their mechanism of action and propose that this pathway is a target for therapeutic intervention.

Types:

Fellowships

Member States:

Australia

Diseases:

Alzheimer's disease & other dementias

Years:

2016

Database Categories:

N/A

Database Tags:

N/A