

Investigating the toxic particles formed by the Alzheimer's disease protein amyloid-beta

<https://neurodegenerationresearch.eu/survey/investigating-the-toxic-particles-formed-by-the-alzheimers-disease-protein-amyloid-beta/>

Name of Fellow

Dr Vanessa Morris

Institution

Funder

NHMRC

Contact information of fellow

Country

Australia

Title of project/programme

Investigating the toxic particles formed by the Alzheimer's disease protein amyloid-beta

Source of funding information

NHMRC

Total sum awarded (Euro)

€ 236,166

Start date of award

01/01/14

Total duration of award in years

6.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias

Keywords

structural biology | biophysics | protein aggregation | amyloid | nuclear magnetic resonance (nmr) spectroscopy

Research Abstract

Alzheimer's disease is a devastating neurodegenerative disease that currently affects 240 000 Australians. The protein called amyloid- β is found in deposits in the brains of Alzheimer's patients. The toxic form of this protein is thought to be small aggregated particles called 'oligomers'. This work aims to investigate the structure of these particles, the reason why they are toxic, as well as their interaction with the neuroprotective compound EGCG, which is found in green tea.

Types:

Fellowships

Member States:

Australia

Diseases:

Alzheimer's disease & other dementias

Years:

2016

Database Categories:

N/A

Database Tags:

N/A