

Dynamic Ocular Imaging: New tools to study Neurodegenerative Disease

<https://www.neurodegenerationresearch.eu/survey/dynamic-ocular-imaging-new-tools-to-study-neurodegenerative-disease/>

Name of Fellow

Bang Bui

Institution

Funder

ARC

Contact information of fellow

Country

Australia

Title of project/programme

Dynamic Ocular Imaging: New tools to study Neurodegenerative Disease

Source of funding information

ARC

Total sum awarded (Euro)

€ 489,002

Start date of award

01/01/13

Total duration of award in years

4.0

The project/programme is most relevant to:

Neurodegenerative disease in general

Keywords

Research Abstract

Neurovascular uncoupling occurs when blood supply and energy production is no longer responsive to the metabolic of nervous tissue. Neurovascular uncoupling is thought to be a key mechanism in the development of debilitating neurodegenerative diseases such as Alzheimer's disease and glaucoma. This project will be the first study to develop, validate and employ a

comprehensive suite to simultaneously image blood flow, oxygen saturation, metabolic activity and retinal function to understand neurovascular uncoupling in aging and age-related neurodegeneration.

Types:

Fellowships

Member States:

Australia

Diseases:

Neurodegenerative disease in general

Years:

2016

Database Categories:

N/A

Database Tags:

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