

Understanding the Basis and Interaction of Non-cognitive and Cognitive Symptoms in Dementia with Lewy Bodies

<https://neurodegenerationresearch.eu/survey/understanding-the-basis-and-interaction-of-non-cognitive-and-cognitive-symptoms-in-dementia-with-lewy-bodies/>

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Contact information of lead PI Country

United Kingdom

Title of project or programme

Understanding the Basis and Interaction of Non-cognitive and Cognitive Symptoms in Dementia with Lewy Bodies

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Alzheimer's Society

Total sum awarded (Euro)

€ 474,530

Start date of award

01/09/2015

Total duration of award in years

4.5

Keywords

Research Abstract

Aims

Our DTC will examine the neurobiological basis of three key non-cognitive symptoms in DLB (depression, cognitive fluctuations and gait impairment) and their relationship to cognitive impairments. These symptoms

cause substantial distress to patients and burden to carers. The DTC draws on the expertise of thirteen clinical

and basic scientists spanning nine specialities, four of whom are new to dementia research.

Methods

We propose five interlinked projects (Newcastle BRU is committed to supporting an additional DTC project) using

a range of scientific methodologies. The first project utilises post mortem brain tissue to investigate depression

and its relationship to executive impairment in dementia by assessing specific molecular signatures related to

synuclein pathology. The other four projects study fluctuations, depression, gait disturbance and their shared

mechanisms and span much of the translational pathway from mouse models through human brain tissue to

neuroimaging data and gait analysis.

Expected Outcomes

Newcastle has a strong track record of taking laboratory findings into clinical practice (e.g. dopamine deficits to

DaTSCAN imaging). Identified pathophysiological mechanisms will be developed in future clinical studies to

improve diagnosis and treatment. Findings will be disseminated through NE Dementia Alliance (includes

Alzheimer's Society), academic meetings and peer reviewed journals.

Further information available at:

Types:

Investments < €500k

Member States:

United Kingdom

Diseases:

N/A

Years:

2016

Database Categories:

N/A

Database Tags:

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