

How do mutations in autophagy receptors cause FTD and ALS?

<https://www.neurodegenerationresearch.eu/survey/how-do-mutations-in-autophagy-receptors-cause-ftd-and-als/>

Name of Fellow

Dr Sarah Rea

Institution

Funder

NHMRC

Contact information of fellow

Country

Australia

Title of project/programme

How do mutations in autophagy receptors cause FTD and ALS?

Source of funding information

NHMRC

Total sum awarded (Euro)

€ 384,623

Start date of award

01/01/16

Total duration of award in years

4.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias

Keywords

proteomics | autophagy | cell signalling | protein interactions | dementia

Research Abstract

As cells age the “garbage disposal” process within cells slows down, becoming less functional. In inherited forms of dementia the genes involved often code for damaged proteins that “clog

up” the disposal system or directly affect the “garbage men”. These defective garbage men genes include SQSTM1/p62, OPTN, VCP and UBQLN2. We will determine how these defective genes lead to build up of garbage in neuronal cells and how leads to disease.

Types:

Fellowships

Member States:

Australia

Diseases:

Alzheimer's disease & other dementias

Years:

2016

Database Categories:

N/A

Database Tags:

N/A