Identification of genetic modifiers of onset age in frontotemporal lobar degeneration: a family-based integrative approach

https://www.neurodegenerationresearch.eu/survey/identification-of-genetic-modifiers-of-onset-age-in-frontotemporal-lobar-degeneration-a-family-based-integrative-approach/

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Title of project/programme

Identification of genetic modifiers of onset age in frontotemporal lobar degeneration: a family-based integrative approach

Source of funding information
Total sum awarded (Euro)

€ 146,886

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

family based integrative approach | frontotemporal lobar degeneration of FTLD | identification of genetic modifier. QTL

Research Abstract
The aim of this PhD project is to identify genetic modifiers underlying the wide variation in onset age in frontotemporal lobar degeneration or FTLD. A quantitative trait locus (QTL) for onset age

was identified in an extended Flanders-Belgian FTLD founder pedigree (DR8 family) segregating a causal mutation in the granulin gene. To identify the functional variation underlying the QTL, we apply a multi-omics approach combining whole genome sequencing with brain whole transcriptome and serum whole proteome analysis of members of the DR8 family

Types:
Fellowships

Member States:
Belgium

Diseases:
Alzheimer's disease & other dementias

Years:
2016

Database Categories:
N/A

Database Tags:
N/A