

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

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

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The project/programme is most relevant to:

Alzheimer's disease & other dementias

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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 FTL D 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

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