

The Genetics of ALS and related Neurodegenerative Syndromes: Finding the Genes.

<https://neurodegenerationresearch.eu/survey/the-genetics-of-als-and-related-neurodegenerative-syndromesfinding-the-genes/>

Principal Investigators

Peter Munch Andersen

Institution

Umeå University

Contact information of lead PI Country

Sweden

Title of project or programme

The Genetics of ALS and related Neurodegenerative Syndromes: Finding the Genes.

Source of funding information

The Swedish Brain Foundation

Total sum awarded (Euro)

€ 435,256

Start date of award

01/07/2013

Total duration of award in years

3.5

Keywords

Research Abstract

- I. ALS is caused by mutations in a few major genes and many minor genes.
- II. Many cases of apparently sporadic ALS are caused by mutations in familial ALS genes with low disease penetrance, or oligogenetic inheritance, influenced by embryonal, environmental factors and/or stochastics.
- III. ALS is not restricted to the motor system. Rather, ALS is a systemic degenerative syndrome affecting many parts of the nervous system with predilection for the motor systems.

IV. All identified ALS genes are pleiotropic and are associated with reduced disease penetrance, suggesting that the final clinical phenotype in patients is influenced by non-genetic factors. This opens up an opportunity for possible therapeutic interventions.

Further information available at:

Types:

Investments < €500k

Member States:

Sweden

Diseases:

N/A

Years:

2016

Database Categories:

N/A

Database Tags:

N/A