

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

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

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## **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, enviromental 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