

ALS is caused by strains of SOD1 prions

<https://neurodegenerationresearch.eu/survey/als-is-caused-by-strains-of-sod1-prions/>

Question

Principal Investigators

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Related

Institution

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Country

Sweden

Title of project or programme

ALS is caused by strains of SOD1 prions

Source of funding information

The Swedish Brain Foundation/Swedish Research Council

Total sum awarded (Euro)

391,730

Start date of award

01/07/2015

Total duration of award in years

2.5

Keywords

Research Abstract

There is no effective therapy for ALS. More than 15 clinical trials using different drugs have been conducted since the turn of the century, and all have failed. The lack of understanding of the underlying disease mechanisms have no doubt contributed to this miserable result. The ALS model in which hSOD1 variants are expressed in rodents, is the neurodegenerative disease model which most faithfully recapitulates the modeled disease in humans. In this model, we here show that the basic disease mechanism is an exponential templated replication of hSOD1 prion strains. This novel insight promises to lead to development of both novel rational therapies and novel diagnostics.

Further information available at:

Types:

Investments < €500k

Member States:

Sweden

Diseases:

N/A

Years:

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Database Categories:

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Database Tags:

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