

Neuronal hyperactivity and neurotrophic factors in motor neuron disease

<https://neurodegenerationresearch.eu/survey/neuronal-hyperactivity-and-neurotrophic-factors-in-motor-neuron-disease/>

Principal Investigators

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Contact information of lead PI Country

Australia

Title of project or programme

Neuronal hyperactivity and neurotrophic factors in motor neuron disease

Source of funding information

National Health and Medical Research Council

Total sum awarded (Euro)

€ 469,222

Start date of award

01/01/2014

Total duration of award in years

3

Keywords

Research Abstract

Using mice with mutant genes causing amyotrophic lateral sclerosis, we will test whether motor neuron hyper-excitability during early development causes excessive synapse and dendrite formation, ultimately leading to neuronal death. We will also test whether activity-dependent secretion of neurotrophic factors and activation of their receptors plays a role in this disease. This will show whether neuronal hyper-activity and neurotrophic factor signaling plays a causal role in this disease.

Further information available at:

Types:

Investments < €500k

Member States:

Australia

Diseases:

N/A

Years:

2016

Database Categories:

N/A

Database Tags:

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