

The TAR DNA-Binding Protein (TDP-43) and Amyotrophic Lateral Sclerosis

<https://neurodegenerationresearch.eu/survey/the-tar-dna-binding-protein-tdp-43-and-amyotrophic-lateral-sclerosis/>

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Country

Canada

Title of project or programme

The TAR DNA-Binding Protein (TDP-43) and Amyotrophic Lateral Sclerosis

Source of funding information

CIHR

Total sum awarded (Euro)

€ 623,387

Start date of award

01/07/2014

Total duration of award in years

5.0

The project/programme is most relevant to:

Motor neurone diseases

Keywords

Research Abstract

Amyotrophic lateral sclerosis (ALS) and frontotemporal dementia (FTD) are two devastating neurodegenerative diseases that share a number of commonalities. One major commonality is the presence of abnormal accumulations of a protein called TDP-43 in the brain and spinal cord of affected individuals. We are trying to understand how these abnormalities of TDP-43 occur and how they contribute to the disease process. We have already made major strides through

the development of new disease models and use of cutting edge technologies to uncover an important disease pathway that links not only ALS and FTD, but also Alzheimer's and Parkinson's disease. Through further investigation we hope to establish this link with the aim of gaining a fuller understanding of the mechanistic basis of how TDP-43 is related to disease causation. It is through this that we hope to develop effective treatments.

Lay Summary

Further information available at:

Types:

Investments > €500k

Member States:

Canada

Diseases:

Motor neurone diseases

Years:

2016

Database Categories:

N/A

Database Tags:

N/A