Understanding Alzheimer's disease using mouse models of Down syndrome

https://neurodegenerationresearch.eu/survey/understanding-alzheimers-disease-using-mouse-models-of-down-syndrome/

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Country

United Kingdom

Title of project or programme

Understanding Alzheimer's disease using mouse models of Down syndrome

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Alzheimer's Research UK

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3

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Research Abstract
Down syndrome is caused by having an extra copy of chromosome 21 and approximately 6 out of 10 people with Down syndrome develop Alzheimer's disease by the age of 60. In other words, people with Down syndrome have an extra copy of the genes which are present on human chromosome 21, and this causes a greatly increased incidence of Alzheimer's disease. One of the genes encoded on human chromosome 21, APP, is known to have a key role in the development of Alzheimer's disease. We have recently shown, using a new animal model, that genes on chromosome 21 other than APP contribute significantly to the development of Alzheimer's disease. We would now like to train a new PhD student in Alzheimer's research to

help determine the identity of these genes and understand how they influence the disease. The student will study the effect of specific chromosome 21 genes on APP pathology, to help determine which gene contributes to the development of disease. This will give us new insight and new approaches for innovative treatments suitable for all Alzheimer's disease patients.

Further information available at:

Types:
Investments < €500k

Member States:
United Kingdom

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