

Regulatie van lysosomale enzym-activiteit bij de ziekte van Alzheimer. Regulation of lysosomal enzyme activity in Alzheimer's disease

<https://www.neurodegenerationresearch.eu/survey/regulatie-van-lysosomale-enzym-activiteit-bij-de-ziekte-van-alzheimer-regulation-of-lysosomal-enzyme-activity-in-alzheimers-disease/>

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Country

Netherlands

Title of project or programme

Regulatie van lysosomale enzym-activiteit bij de ziekte van Alzheimer. Regulation of lysosomal enzyme activity in Alzheimer's disease

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alzheimer nederland (ISAO)

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€ 150,000

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01/10/2013

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3

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Research Abstract

Elevation of lysosomal activity gains more and more attention as possible treatment for AD. This attention is triggered by the massive accumulations of dysfunctional endo-lysosomal compartments in AD brains and the recognition that impairment of lysosomal proteolysis occurs

at a very early stage of AD development. Attempts to restore lysosomal proteolysis in mouse models of AD pathology have yielded promising results. However, our understanding of the cell biological events that underlie endo-lysosomal dysfunction in AD is relatively poor. Our studies are aimed at understanding the fundamental cell biological changes that induce endo-lysosomal malfunctioning in AD, with the ultimate goal to develop a compound that can be used to overcome the lysosomal storage phenotype, one of the main pathological features of AD neurons.

Further information available at:

<https://www.alzheimer.nl/onderzoek/onderzoeksprojecten/project/regulatie-van-lysosomale-enzym-activiteit-bij-de-ziekte-van-alzheimer>

Types:

Investments < €500k

Member States:

Netherlands

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