Immunological and histochemical assessment of an Alzheimer´s vaccine

https://neurodegenerationresearch.eu/survey/immunological-and-histochemical-assessment-of-an-alzheimers-vaccine/

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Country

Sweden

Title of project or programme

Immunological and histochemical assessment of an Alzheimer´s vaccine

Source of funding information

VINNOVA

Total sum awarded (Euro)

€ 54,407

Start date of award

01/06/2015

Total duration of award in years

1

Keywords
Research Abstract
Alzinova is developing an Alzheimer´s disease vaccine, ALZ-101. This vaccine is a therapeutic vaccine, and is designed to arrest disease progression and prevent neurodegeneration in the brain. The vaccine is capable of specifically targeting the endogenous substance that causes disease – a feat made possible by a proprietary technology that stabilizes the antigen. In consequence, it is only this stable structure that is presented to the immune system, thus inducing B-cells to produce antibodies specific for it. The strength of this comapny is the unique capability of actually targeting the ´needles in the haystack´ and not just the ´straws´. This unique specificity is expected to translate into high clinical efficacy and an acceptable safety

profile.The vaccine has been evaluated in mice with good results: Both naive mice and a transgenic model of Alzheimer´s disease support the concept and the proposed mechanism of action for this vaccine. Before commencing preclinical development, the vaccine is set to be evaluated immunologically in a separate species, as well as safety assessed by histochemical analysis on human tissue samples. These activities aim to verify the animal species as a model system for the full preclinical development project, as well as to establish that the immune response is specific for the target and not other tissue components.

Further information available at:

Types:
Investments < €500k

Member States:
Sweden

Diseases:
N/A

Years:
2016

Database Categories:
N/A

Database Tags:
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