Coupling factor 6, a circulating vasoactive peptide, in Alzheimer's disease

https://neurodegenerationresearch.eu/survey/coupling-factor-6-a-circulating-vasoactive-peptide-in-alzheimer%c2%92s-disease/

Principal Investigators

Huttunen Henri

Institution

University of Helsinki

Contact information of lead PI
Country

Finland

Title of project or programme

Coupling factor 6, a circulating vasoactive peptide, in Alzheimer's disease

Source of funding information

Academy of Finland

Total sum awarded (Euro)

€ 528,919

Start date of award

01/09/2016

Total duration of award in years

4.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias|Neurodegenerative disease in general

Keywords
Research Abstract
The most common form of dementia, late-onset Alzheimer's disease (AD), is strongly associated with cardiovascular and metabolic factors, such as hypertension, hypercholesterolemia and type 2 diabetes. On a molecular level, how cardiovascular and metabolic factors contribute to development of neurodegeneration is still poorly understood. We have identified a potential molecular factor linking the cardiovascular and neuronal aspects of

AD pathobiology. Here, we propose a comprehensive study combining in vitro, animal and human sample studies to address the role of the vasoactive peptide CF6 as a modulator of neuronal physiology and risk factor of AD. This study will provide novel mechanistic insight how cardiovascular factors are linked to neurodegeneration on a molecular level. The results of the proposed work are expected to pave new ways for diagnosis and treatment of late-life dementia, which is increasingly associated with cardiovascular and metabolic diseases.

Lay Summary
Further information available at:

Types:
Investments > €500k

Member States:
Finland

Diseases:
Alzheimer's disease & other dementias, Neurodegenerative disease in general

Years:
2016

Database Categories:
N/A

Database Tags:
N/A