

# Functional brain connectivity: a new imaging marker for preclinical dementia?

<https://www.neurodegenerationresearch.eu/survey/functional-brain-connectivity-a-new-imaging-marker-for-preclinical-dementia/>

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### Country

Netherlands

## Title of project or programme

Functional brain connectivity: a new imaging marker for preclinical dementia?

## Source of funding information

ZonMw

## Total sum awarded (Euro)

€ 160,000

## Start date of award

01/09/2012

## Total duration of award in years

5

## Keywords

### Research Abstract

To fully assess the potential of assessment of resting-state network activity as a very early, preclinical marker of Alzheimer's disease or other dementing disorders, a large-scale prospective population study is required in which participants undergo detailed examinations at baseline, including rs-fMRI, and are subsequently followed for the occurrence of dementia. The present project will perform rs-fMRI in 2,000 middle aged and elderly participants from the longitudinal population-based Rotterdam Study. Measures of functional brain connectivity will be related to structural brain imaging markers and to known genetic and non-genetic risk factors for dementia. Furthermore, the association between functional connectivity and cognitive

function and the risk of developing dementia will be assessed. The ultimate aim of this project is to evaluate the value of functional brain connectivity as a new imaging marker of preclinical dementia

**Further information available at:**

<http://www.zonmw.nl/nl/projecten/project-detail/functional-brain-connectivity-a-new-imaging-marker-for-preclinical-dementia/>

**Types:**

Investments < €500k

**Member States:**

Netherlands

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