

Psychological and nutritional determinants of telomere and genome integrity in dementia carers

<https://neurodegenerationresearch.eu/survey/psychological-and-nutritional-determinants-of-telomere-and-genome-integrity-in-dementia-carers/>

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Country

Australia

Title of project or programme

Psychological and nutritional determinants of telomere and genome integrity in dementia carers

Source of funding information

Alzheimer's Australia Dementia Research Foundation

Total sum awarded (Euro)

€ 34,196

Start date of award

01/01/2015

Total duration of award in years

1

Keywords

Research Abstract

Telomeres are regions of DNA that protect the ends of chromosomes from damage, and play a critical role in keeping our DNA healthy. Damaged and unstable chromosomes are associated with increased risk of cardiovascular disease, reduced immune function, neurodegeneration, and cancers. People who experience high levels of psychological stress, such as carers, have shorter telomeres than lower-stress individuals. This study will investigate telomere length and DNA damage of family dementia carers, together with a panel of psychological, physiological,

diet and lifestyle measures. This novel, comprehensive approach will allow us to determine which specific diet and lifestyle factors help protect the genome against stress-related damage in carers. Findings from this study will help to define practical, effective measures to empower carers to protect their DNA health, reduce risk for chronic disease and improve their overall health and wellbeing.

Further information available at:

<https://www.dementiaresearchfoundation.org.au/researchers/caroline-bull>

Types:

Investments < €500k

Member States:

Australia

Diseases:

N/A

Years:

2016

Database Categories:

N/A

Database Tags:

N/A