

Cellular responses to protein misfolding in aging cells

<https://neurodegenerationresearch.eu/survey/cellular-responses-to-protein-misfolding-in-aging-cells/>

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Country

Canada

Title of project or programme

Cellular responses to protein misfolding in aging cells

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CIHR

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5

Keywords

Research Abstract

While advanced age presents the highest risk factor for many neurodegenerative diseases, it remains unclear how aging contributes to these diseases at genetic, cellular, and molecular levels. As an innovative approach, combining transcriptome, genome, and proteome wide studies in chronologically aged yeast cells and sampled from human brains analyzed by computational methods we aim to identify and characterize genetic, cellular, and biochemical networks that modulate protein misfolding in aging cell. Our study will thus provide novel insight into the nexus of protein misfolding and aging and may thus identify new therapeutic targets for the treatment of these devastating diseases.

Further information available at:

Types:

Investments < €500k

Member States:

Canada

Diseases:

N/A

Years:

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