

# Centre of Excellence in Research on Mitochondria, Metabolism and Disease (FinMIT)

<https://neurodegenerationresearch.eu/survey/centre-of-excellence-in-research-on-mitochondria-metabolism-and-disease-finmit/>

## Principal Investigators

Jacobs Howard

## Institution

University of Tampere

## Contact information of lead PI

### Country

Finland

## Title of project or programme

Centre of Excellence in Research on Mitochondria, Metabolism and Disease (FinMIT)

## Source of funding information

Academy of Finland

## Total sum awarded (Euro)

€ 4,003,485

## Start date of award

01/01/2014

## Total duration of award in years

3.0

## The project/programme is most relevant to:

Neurodegenerative disease in general|Parkinson's disease & PD-related disorders

## Keywords

### Research Abstract

Dysfunction of mitochondria, our cells' power supply, underlies a variety of diseases, including Parkinson's Disease, deafness and various types of muscle and brain disease. Its role in acquired traits such as obesity is also increasingly recognized. FinMIT aims to understand the detailed molecular defects that cause mitochondrial diseases, focusing especially on neurodegeneration and obesity. We combine leading international expertise and tools from

basic biology and medicine, to determine how mitochondrial failure disturbs cell function and the systems of chemical communication between different organs of the body. We aim to develop novel means of diagnosis and treatment, based on 1/ nutritional modification, 2/ new drugs designed to restore metabolic balance and 3/ the introduction of a metabolic by-pass to reconfigure the cell's bioenergy system. This will benefit adults and children suffering from these typically progressive, devastating and currently incurable diseases.

**Lay Summary**

**Further information available at:**

**Types:**

Investments > €500k

**Member States:**

Finland

**Diseases:**

Neurodegenerative disease in general, Parkinson's disease & PD-related disorders

**Years:**

2016

**Database Categories:**

N/A

**Database Tags:**

N/A