Mitochondrial integrity and autoinflammation

Fact Sheet

Project Information

**MitoFeron**

Grant agreement ID: 892311

**Funded under**

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

**Total cost**

€ 184 707,84

**EU contribution**

€ 184 707,84

**Coordinated by**

IMAGINE INSTITUT DES MALADIES GENETIQUES NECKER ENFANTS MALADES FONDATION

France

**Project terminated on 31 December 2021**

**Start date**

1 July 2020

**End date**

30 June 2022

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**Project description**

**Mitochondria in rare immune diseases**

Interferons (IFNs) represent the first line of defence against viruses, and upregulation of IFN signalling is the hallmark of a rare genetic group of diseases known as type I interferonopathies (T1IFNs). Nucleic acid metabolism and mitochondria seem to trigger IFN signalling and may constitute new therapeutic targets for T1IFNs. The EU-funded MitoFeron project will focus on a mitochondrial protein involved in enhanced IFN signalling observed in T1IFN patients and investigate its role in
organelle homeostasis and IFN induction. The results will lead to a new clinical screening protocol for T1IFN patients and new targets for therapeutic intervention.

**Fields of science**

- natural sciences > biological sciences > biochemistry > biomolecules > nucleic acids
- natural sciences > biological sciences > microbiology > virology
- medical and health sciences > basic medicine > immunology
- medical and health sciences > basic medicine > pathology
- medical and health sciences > basic medicine > physiology > homeostasis

**Keywords**

- Nucleic acid sensing
- Mitochondrial homeostasis
- Mendelian disorders
- IFN signalling
- potential diagnostic applications and therapeutic targets

**Programme(s)**

- H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions
- H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

**Topic(s)**

- MSCA-IF-2019 - Individual Fellowships

**Call for proposal**

- H2020-MSCA-IF-2019

See other projects for this call

**Funding Scheme**

- MSCA-IF - Marie Skłodowska-Curie Individual Fellowships (IF)
IMAGINE INSTITUT DES MALADIES GENETIQUES NECKER ENFANTS MALADES FONDATION

Net EU contribution
€ 184 707,84

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Region
Ile-de-France > Ile-de-France > Paris

Activity type
Research Organisations

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

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Permalink: https://cordis.europa.eu/project/id/892311

European Union, 2023