Immunometabolic regulation of the host response to viral infection in the context of obesity

Fact Sheet

Project Information

Virobe

Grant agreement ID: 101063888

Funded under
Marie Skłodowska-Curie Actions (MSCA)

DOI
10.3030/101063888

Total cost
€ 0,00

EU contribution
€ 214 934,40

Start date
1 January 2023

End date
31 December 2024

KOBENHAVNS UNIVERSITET
Denmark

Project description

The link between obesity and severe viral infections

Humans who are obese have significantly higher risk of developing more severe symptoms due to viral infection. The reason for this is not well understood. Studies on mice found that the obese mice developed profound and progressive loss of fat and muscle in response to chronic viral infection. In this context, the Marie Skłodowska-Curie Actions project Virobe will identify the mechanisms driving this marked and progressive tissue wasting in infected obese mice. Specifically, it will test whether that the tissue wasting during viral infection results from disrupted glucose homeostasis, perturbations in macrophage functions and from abnormal cytokine profiles observed in the context of obesity. The findings will shed light on potential
therapeutic strategies aiming at improving the outcome of viral disease in obese persons.

**Fields of science**

natural sciences > biological sciences > microbiology > virology
medical and health sciences > basic medicine > pharmacology and pharmacy > pharmaceutical drugs > vaccines
medical and health sciences > basic medicine > physiology > homeostasis
medical and health sciences > health sciences > nutrition > obesity
medical and health sciences > basic medicine > pharmacology and pharmacy > pharmaceutical drugs > antivirals

**Programme(s)**

HORIZON.1.2 - Marie Skłodowska-Curie Actions (MSCA)  
MAIN PROGRAMME

**Topic(s)**

HORIZON-MSCA-2021-PF-01-01 - MSCA Postdoctoral Fellowships 2021

**Call for proposal**

HORIZON-MSCA-2021-PF-01

See other projects for this call

**Funding Scheme**

MSCA-PF - MSCA-PF

**Coordinator**

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Region
Danmark > Hovedstaden > Byen København

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

Other funding
€ 0,00

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Permalink: https://cordis.europa.eu/project/id/101063888

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