Human cardiac microtissues for studying lamin cardiomyopathy

Fact Sheet

Project Information

**ACCURACY**
Grant agreement ID: 101064231

**DOI**
10.3030/101064231

**Funded under**
Marie Skłodowska-Curie Actions (MSCA)

**Total cost**
€ 0,00

**EU contribution**
€ 172 750,08

**Start date**
1 June 2023

**End date**
31 May 2025

**Coordination by**
UNIVERSITA DEGLI STUDI DI PADOVA
Italy

Project description

Recapitulating cardiac disease in vitro

Creating functional models of the human myocardium is central to studying its physiology and dissecting the pathological mechanisms of cardiovascular diseases. However, the complex structure and function of the human heart has posed a significant challenge to the establishment of robust models. Funded by the Marie Skłodowska-Curie Actions programme, the ACCURACY project will employ an in vitro cardiac model based on human induced pluripotent stem cells (hiPSC). The idea is to study the pathogenesis of lamin cardiomyopathy, a rare genetic disorder caused by mutations in the genes that encode structural proteins of the nucleus. Moreover, the project will pave the way towards new treatment options.
Fields of science

medical and health sciences > medical biotechnology > genetic engineering > gene therapy
medical and health sciences > medical biotechnology > cells technologies > stem cells
natural sciences > biological sciences > genetics > mutation
medical and health sciences > basic medicine > pathology
medical and health sciences > clinical medicine > cardiology

Programme(s)

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

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

UNIVERSITA DEGLI STUDI DI PADOVA
Net EU contribution
€ 172 750,08

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