Localized Cancer Therapy

Fact Sheet

Project Information

LCT

Grant agreement ID: 101067240

Funded under
Marie Skłodowska-Curie Actions (MSCA)

DOI
10.3030/101067240

Total cost
€ 0,00

EU contribution
€ 199 694,40

Start date
2 January 2023

End date
1 January 2025

Coordinated by
NATIONAL UNIVERSITY OF IRELAND GALWAY

Ireland

Project description

Innovative nanocarrier-based cancer treatment

Current conventional cancer treatment methods are associated with clinical challenges that include non-specificity, side effects and drug tolerance. Recently developed localised therapies based on nanoscale drugs are non-invasive, controllable and have minimal side effects. This type of treatment delivers nanocarriers to the exact location of the targeted tumour, releasing chemotherapeutic drugs after activation. Concerns over the safety of this technology are associated with the lack of biodegradation, potential toxicity, poor bioavailability and complications of drug activation. Funded by the Marie Skłodowska-Curie Actions programme, the LCT project aims to introduce innovative nanocarriers that are
nontoxic, biocompatible and biodegradable for combined application with established
treatments such as precise and effective radiation therapy.

Fields of science

engineering and technology  >  civil engineering  >  structural engineering
medical and health sciences  >  clinical medicine  >  oncology

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

HORIZON-AG-UN - HORIZON Unit Grant

Coordinator

NATIONAL UNIVERSITY OF IRELAND GALWAY

Net EU contribution

€ 199,694,40

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Net EU contribution
€ 0,00

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Ireland > Eastern and Midland > Dublin

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European Union, 2023