

Factsheet

Acronym I-DireCT

Full title Immune DIREcted and Cancer-selective immunoTherapy

Programme MSCA-ITN-2018
Innovative Training Networks

Contract number 813871

Abstract I-DireCT is a European Industrial Doctorate (EID) training network designed to provide training and carry out breakthrough research on the rapidly expanding and high impact field of cancer immunotherapy in a carefully integrated academic and inter-sectoral programme. Hereby, the consortium aims to develop next-generation immunotherapeutics and deliver a set of early stage researchers uniquely qualified for a career in academia and/or industry.

Current immunomodulatory antibodies that target pivotal immune checkpoints have revolutionized the field of oncology. However, off-tumor activity limits their application. The objective of I-DireCT is to address this issue by

1. developing innovative bispecific antibodies and immunocytokines with tumor-restricted immunostimulatory effects and
2. developing optimised delivery systems to ensure optimal timed release of bio-active drug.

Hereto, I-DireCT combines state-of-the-art industrial design of nanotech-based drug formulations with innovative academic and industrial immunotherapeutic concepts into the next-generation of cancer immunotherapeutics.

At the core of I-DireCT is its training objective to offer a cutting-edge multidisciplinary training programme that will enable outstanding young scientists to generate breakthrough ideas and assume leading positions in academia and industry. This training programme includes an array of disciplines, ranging from biomedical sciences (e.g. immunology, antibody engineering) and physical sciences (e.g. chemistry, material science) to drug design & development.

Industrial partners are central to the programme and provide pivotal inter-sectoral expertise on how to translate scientific discoveries into commercial reality, with each ESR being appointed at an inter-sectoral partner for 18 months, as well as through additional secondments. Further, I-DireCT will enable long-term multi-disciplinary research and fosters bilateral co-operations between academia and industry.

Duration 48 months (01/01/2019 – 31/12/2022)

Project funding 2,533,358.34 €



Coordinator Prof. Edwin Bremer
Academisch Ziekenhuis Groningen, Groningen, Netherlands
Email: e.bremer@umcg.nl

- Partners**
- Academisch Ziekenhuis Groningen, Netherlands
(Prof. Dr Edwin Bremer)
 - Universitaetsklinikum Wuerzburg Klinikum der Bayerischen Julius-Maximilians-Universitaet, Germany
(Prof. Dr Harald Wajant)
 - InoCure, Czech Republic
(Dr Matej Buzgo)
 - Surflay Nanotec GmbH; Germany
(Dr Lars Dähne)
 - Kahr Medical Ltd., Israel
(Dr Ayelet Chajut)

Website www.i-direct-itn.eu/

