

HORIZON
2020

PET Imaging in Drug Design and Development

Fact Sheet

Project Information

PET3D

Grant agreement ID: 675417

[Project website](#)

DOI

[10.3030/675417](https://doi.org/10.3030/675417)

Project closed

EC signature date

2 May 2016

Start date

1 June 2016

End date

31 May 2020

Funded under

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost

€ 3 912 634,77

EU contribution

€ 3 901 247,78

Coordinated by

LOUGHBOROUGH UNIVERSITY

 United Kingdom

Objective

The drug development strategy currently pursued by the pharmaceutical industry worldwide is inefficient and unsustainable for the health care system. To keep the latter affordable, drug development should become more efficient and drug treatment should become more “personalized” and “rationalized”. Molecular imaging can play a pivotal role in changing the landscape of drug design/development and improving the health care system. Positron Emission Tomography (PET) imaging, in particular, is the technology that has the potential to lead this fundamental innovation by providing at a much earlier stage reliable answers to key questions emerging during the care cycle: what and where is the disease? Is the disease accurately targeted by the

therapy? Is the treatment effective? By answering the questions above, PET imaging has the capacity to render much more effectively the transition from pre-clinical to clinical phase, and to strongly facilitate the development of better drugs at an earlier stage and in a much more sustainable manner. The main obstacle to this change of paradigm in drug design and development is the lack of suitably trained translational scientists directly involved in PET imaging and imaging scientists with high-profile training in chemistry and PET-radiochemistry, which is particularly dramatic in Europe. This consortium is ideally suited to fill this gap, by providing top-quality training to the next generation of translational PET imaging scientists who will play a key role in shaping the future of drug design and development. The PET3D ETN will focus on 15 cutting-edge research projects in the 3 main therapeutic areas (oncology, cardiovascular, central nervous system) that will be conducted by 15 ESRs at 8 European beneficiary Institutions, 6 academic (all having a PET center on site) and 2 non-academic (one with a PET center on site and one big pharmaceutical company) representing the drug design and development terminus of the project.

Fields of science (EuroSciVoc)

[medical and health sciences](#) > [basic medicine](#) > [pharmacology and pharmacy](#) > **[drug discovery](#)**

[medical and health sciences](#) > [basic medicine](#) > **[medicinal chemistry](#)**

[medical and health sciences](#) > [clinical medicine](#) > [radiology](#) > **[nuclear medicine](#)**

[medical and health sciences](#) > [clinical medicine](#) > **[oncology](#)**

[medical and health sciences](#) > [clinical medicine](#) > **[cardiology](#)**



Programme(s)

[H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#)

MAIN PROGRAMME

[H2020-EU.1.3.1. - Fostering new skills by means of excellent initial training of researchers](#)

Topic(s)

[MSCA-ITN-2015-ETN - Marie Skłodowska-Curie Innovative Training Networks \(ITN-ETN\)](#)

Call for proposal

[H2020-MSCA-ITN-2015](#)

[See other projects for this call](#)

Funding Scheme

[MSCA-ITN-ETN - European Training Networks](#)

Coordinator



LOUGHBOROUGH UNIVERSITY

Net EU contribution

€ 165 187,34

Total cost

€ 165 187,34

Address

ASHBY ROAD

LE11 3TU Loughborough

 **United Kingdom** 

Region

**East Midlands (England) > Leicestershire, Rutland and Northamptonshire > Leicestershire
CC and Rutland**

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (9)



STICHTING VU 

 Netherlands

Net EU contribution

€ 0,00

Address

DE BOELELAAN 1105

1081 HV Amsterdam 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



VRIJE UNIVERSITEIT BRUSSEL

 Belgium

Net EU contribution

€ 501 120,00

Address

PLEINLAAN 2

1050 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 501 120,00



UNIVERSITETET I BERGEN

 Norway

Net EU contribution

€ 572 550,48

Address

MUSEPLASSEN 1

5020 Bergen 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 572 550,48



ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOMATERIALES- CIC biomaGUNE

 Spain

Net EU contribution

€ 495 745,92

Address

PASEO MIRAMON 182, PARQUE TECNOLOGICO DE SAN SEBASTIAN EDIFICIO EMPRESARIAL C

20009 San Sebastian 

Region

Noreste > País Vasco > Gipuzkoa

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 495 745,92



UNIVERSITAET MUENSTER

 Germany

Net EU contribution

€ 498 432,96

Address

**SCHLOSSPLATZ 2
48149 MUENSTER** 

Region

Nordrhein-Westfalen > Münster > Münster, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 498 432,96




IMANOVA LIMITED

 United Kingdom

Net EU contribution

€ 273 287,88

Address

**BURLINGTON DANES BUILDING, IMPERIAL COLLEGE LONDON HAMMERSMITH
HOSPITAL, DU CANE ROAD
W12 0NN LONDON** 

Region

London > Inner London — West > Kensington & Chelsea and Hammersmith & Fulham

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 273 287,88



ASTRAZENECA AB

 Sweden

Net EU contribution

€ 263 659,32

Address

Vastra Maelarhamnen

151 85 Sodertaelje 

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 263 659,32



STICHTING AMSTERDAM UMC

 Netherlands

Net EU contribution

€ 510 748,56

Address

DE BOELELAAN 1117

1081 HV Amsterdam 

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 510 748,56



THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN 

 United Kingdom

Net EU contribution

€ 620 515,32

Address

KING'S COLLEGE REGENT WALK

AB24 3FX Aberdeen 

Region

Scotland > North Eastern Scotland > Aberdeen City and Aberdeenshire

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 631 902,31

Last update: 18 August 2022

Permalink: <https://cordis.europa.eu/project/id/675417>

European Union, 2025