



European Network linking informatics and genomics of helper T cells

Fact Sheet

Project Information

ENLIGHT-TEN

Grant agreement ID: 675395

[Project website](#)

DOI

[10.3030/675395](https://doi.org/10.3030/675395)

Project closed

EC signature date

7 August 2015

Start date

1 October 2015

End date

30 September 2019

Funded under

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost

€ 3 354 685,32

EU contribution

€ 3 354 685,20

Coordinated by

HELMHOLTZ-ZENTRUM FUR
INFEKTIONSFORSCHUNG
GMBH



Germany

Objective

ENLIGHT-TEN is a European Network Linking Informatics and Genomics of Helper T cells: our mission is to provide cross-disciplinary training in cellular immunology and big data analysis such that we train a new generation of researchers to fully exploit the power of emerging technological platforms. Our network of TEN beneficiaries combines T cell expertise with state-of-the-art technologies such as next generation sequencing (NGS), bioinformatics, multi-colour flow cytometry, preclinical models and tailored genome editing. Trainees will acquire a

comprehensive knowledge in T cell immunology and the capacity to generate and interrogate big data sets as well as expertise in identifying novel biomarkers and developing therapeutic concepts. As such the training programme will provide an ideal stepping-stone for creative and innovative early stage researchers (ESRs) to enter and strengthen Europe's academia as well as pharmaceutical and bioinformatics companies.

The research focus of the network lies in the identification of extrinsic and intrinsic factors that control development, differentiation and plasticity of helper T cell subsets with particular emphasis on how T cell differentiation impacts on human diseases. The generation of large data sets is an emerging and challenging field, and there is high demand in both the academic sector as well as pharmaceutical companies for researchers to be able to analyse, integrate and exploit this rich source of information. ENLIGHT-TEN will combine the individual strengths of innovative laboratories and enterprises from complementary disciplines to provide unique interdisciplinary training for 13 ESRs, placing them at the forefront of this emerging field. Trainees will be empowered to perform cutting-edge analysis of the steadily increasing number of different T cell subsets, which play highly diverse and critical roles in the development of autoimmune diseases, making them a key target for pharmaceutical companies.

Fields of science (EuroSciVoc)

[medical and health sciences](#) > [medical biotechnology](#) > [genetic engineering](#) > **[gene therapy](#)**

[natural sciences](#) > [computer and information sciences](#) > [data science](#) > **[big data](#)**

[medical and health sciences](#) > [basic medicine](#) > [immunology](#) > **[autoimmune diseases](#)**

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

[medical and health sciences](#) > [basic medicine](#) > [immunology](#) > **[immunotherapy](#)**



Keywords

[T cell differentiation](#)

[T cell plasticity](#)

[autoimmune diseases](#)

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 - Marie Skłodowska-Curie Innovative Training Networks \(ITN\)](#)

Coordinator



HELMHOLTZ-ZENTRUM FUR INFEKTIONSFORSCHUNG GMBH

Net EU contribution

€ 498 432,96

Total cost

€ 498 432,96

Address

INHOFFENSTRASSE 7

38124 Braunschweig

 **Germany** 

Region

Niedersachsen > Braunschweig > Braunschweig, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Participants (11)



UNIVERSITY COLLEGE LONDON

United Kingdom

Net EU contribution

€ 273 287,88

Address

GOWER STREET

WC1E 6BT London

Region

London > Inner London — West > Camden and City of London

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 273 287,88



MEDIZINISCHE UNIVERSITAET WIEN

Austria

Net EU contribution

€ 255 934,08

Address

SPITALGASSE 23

1090 Wien

Region

Ostösterreich > Wien > Wien

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 255 934,08



Bayer Pharma AG

Germany

Net EU contribution

€ 103 840,20

Address

Muellerstrasse 178

13353 Berlin

Region

Berlin > Berlin > Berlin

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

€ 103 840,20



EUROPEAN MOLECULAR BIOLOGY LABORATORY

Germany

Net EU contribution

€ 0,00

Address

Meyerhofstrasse 1

69117 Heidelberg

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type

Research Organisations

Links

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

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

Total cost

No data



INSTITUTO DE MEDICINA MOLECULAR JOAO LOBO ANTUNES

 Portugal

Net EU contribution

€ 476 712,72

Address

AVENIDA PROF EGAS MONIZ

1649 028 Lisboa 

Region

Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 476 712,72



THE BABRAHAM INSTITUTE

 United Kingdom

Net EU contribution

€ 546 575,76

Address

Babraham Hall

CB22 3AT Cambridge 

Region

East of England > East Anglia > Cambridgeshire CC

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 546 575,76



TURUN YLIOPISTO

 Finland

Net EU contribution

€ 269 145,36

Address

YLIOPISTONMAKI

20014 Turku 

Region

Manner-Suomi > Etelä-Suomi > Varsinais-Suomi

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 269 145,36



INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE

 France

Net EU contribution

€ 262 875,60

Address

RUE DE TOLBIAC 101

75654 Paris 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 262 875,60



QIAGEN AARHUS AS

 Denmark

Net EU contribution

€ 249 216,48

Address

SILKEBORGVEJ 2

8000 Aarhus 

Region

Danmark > Midtjylland > Østjylland

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

€ 249 216,60



GENOME RESEARCH LIMITED

 United Kingdom

Net EU contribution

€ 273 287,88

Address

WELLCOME SANGER INSTITUTE WELLCOME GENOME CAMPUS HINXTON

CB10 1SA SAFFRON WALDEN 

Region

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 273 287,88



BAYER AKTIENGESELLSCHAFT

Germany

Net EU contribution

€ 145 376,28

Address

KAISER-WILHELM-ALLEE 1

51373 Leverkusen

Region

Nordrhein-Westfalen > Köln > Leverkusen, Kreisfreie Stadt

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

€ 145 376,28

Partners (6)



PARTNER

Abcam plc

United Kingdom

Net EU contribution

€ 0,00

Address



Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Total cost

No data



PARTNER

AFFIRIS AG

Austria

Net EU contribution

€ 0,00

Address

KARL FARKAS GASSE 22

1030 Wien

SME

Yes

Region

Ostösterreich > Wien > Wien

Links

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

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

[HORIZON collaboration network](#)

Total cost

No data



PARTNER

CRISPR Therapeutics Limited

United Kingdom

Net EU contribution

€ 0,00

Address

**Stevenage Bioscience Catalyst, Gunnels Wood Road
SG1 2FX Stevenage** 

SME 

Yes

Region

East of England > Bedfordshire and Hertfordshire > Hertfordshire

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



PARTNER 

EAGLE GENOMICS LIMITED

 United Kingdom

Net EU contribution

€ 0,00

Address

**BIODATA INNOVATION CENTRE, WELLCOME GENOME CAMPUS,
CB10 1DR Cambridge** 

SME 

Yes

Region

East of England > East Anglia > Cambridgeshire CC

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

No data



PARTNER

Genomatix Software GmbH

Germany

Net EU contribution

€ 0,00

Address

**Bayerstrasse 85a
80335 Muenchen**

SME

Yes

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Links

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

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

[HORIZON collaboration network](#)

Total cost

No data



PARTNER

NOVIMMUNE SA

Switzerland

Net EU contribution

€ 0,00

Address

**CHEMIN DES AULX 14
1228 Plan Les Ouates Geneve**

SME

Yes

Region

Schweiz/Suisse/Svizzera > Région lémanique > Genève

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

No data

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