

HORIZON
2020

Revolutionizing Healthcare by Tracking and Understanding Human Cells during Disease

Fact Sheet

Project Information

LifeTime

Grant agreement ID: 820431

[Project website](#)

DOI

[10.3030/820431](https://doi.org/10.3030/820431)

Project closed

EC signature date

11 February 2019

Start date

1 March 2019

End date

30 June 2020

Funded under

EXCELLENT SCIENCE - Future and Emerging Technologies (FET)

Total cost

€ 1 000 000,00

EU contribution

€ 1 000 000,00

Coordinated by

MAX DELBRUECK CENTRUM
FUER MOLEKULARE MEDIZIN IN
DER HELMHOLTZ-
GEMEINSCHAFT (MDC)



Germany

Project description

Advancing the European approach to medicine

The underlying mechanisms of many complex diseases, such as cancer and neurodegenerative diseases, have not been fully elucidated. Therefore, there is a need for integrated research into chronic, incurable diseases. The EU-funded LifeTime initiative will establish a network for developing, integrating and applying several disruptive technologies to advance our understanding of disease. The

consortium will comprise more than 100 research institutions who will work on single-cell analysis, advanced imaging, organoid models of disease and artificial intelligence. Collectively, their work and innovations on our genome's activity in individual cells as they progress through time (ageing or disease) are expected to redefine diagnosis and pathology. They will also advance biomedical and clinical practice, directly benefiting European patients.

Fields of science (EuroSciVoc)

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

[humanities](#) > [history and archaeology](#) > **[history](#)**

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

[natural sciences](#) > [computer and information sciences](#) > [artificial intelligence](#) > **[machine learning](#)**

[natural sciences](#) > [biological sciences](#) > [genetics](#) > **[genomes](#)**



Programme(s)

[H2020-EU.1.2. - EXCELLENT SCIENCE - Future and Emerging Technologies \(FET\).](#)

MAIN PROGRAMME

[H2020-EU.1.2.3. - FET Flagships](#)

Topic(s)

[FETFLAG-01-2018 - Preparatory Actions for new FET Flagships](#)

Call for proposal

[H2020-FETFLAG-2018-2020](#) 

[See other projects for this call](#)

Sub call

H2020-FETFLAG-2018-01

Funding Scheme

Coordinator



MAX DELBRUECK CENTRUM FUER MOLEKULARE MEDIZIN IN DER HELMHOLTZ-GEMEINSCHAFT (MDC)

Net EU contribution

€ 596 250,00

Total cost

€ 621 250,00

Address

ROBERT ROSSLE STRASSE 10
13125 Berlin

 Germany 

Region

Berlin > Berlin > Berlin

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Participants (19)

 THIRD-PARTY 

DEUTSCHES ZENTRUM FUR NEURODEGENERATIVE ERKRANKUNGEN EV

 Germany

Net EU contribution

€ 0,00

Address

VENUSBERG-CAMPUS 1/99
53127 Bonn 

Region

Nordrhein-Westfalen > Köln > Bonn, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

 **THIRD-PARTY** 

HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM FUER GESUNDHEIT UND UMWELT GMBH

 Germany

Net EU contribution

€ 12 500,00

Address

**INGOLSTADTER LANDSTRASSE 1
85764 Neuherberg** 

Region

Bayern > Oberbayern > München, Landkreis

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 12 500,00

 **THIRD-PARTY** 

DEUTSCHES KREBSFORSCHUNGSZENTRUM HEIDELBERG

 Germany

Net EU contribution

€ 12 500,00

Address

IM NEUENHEIMER FELD 280
69120 Heidelberg 

Region
Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type
Research Organisations

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 12 500,00



INSTITUT CURIE

 France
Net EU contribution
€ 266 250,00

Address
RUE D ULM 26
75231 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
€ 266 250,00



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France
Net EU contribution

€ 15 000,00

Address

RUE MICHEL ANGE 3
75794 Paris 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 15 000,00



INSTITUT FUER MOLEKULARE BIOTECHNOLOGIE GMBH

 Austria

Net EU contribution

€ 2 500,00

Address

DR BOHRGASSE 3
1030 Wien 

Region

Ostösterreich > Wien > Wien

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

€ 2 500,00



VIB VZW

 Belgium

Net EU contribution

€ 2 500,00

Address

SUZANNE TASSIERSTRAAT 1
9052 ZWIJNAARDE - GENT 

Region

Vlaams Gewest > Prov. Oost-Vlaanderen > Arr. Gent

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 2 500,00



FRIEDRICH MIESCHER INSTITUTE FOR BIOMEDICAL RESEARCH FONDATION

 Switzerland

Net EU contribution

€ 15 000,00

Address

FABRIKSTRASSE 2
4056 BASEL 

Region

Schweiz/Suisse/Svizzera > Nordwestschweiz > Basel-Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 15 000,00



AARHUS UNIVERSITET

 Denmark

Net EU contribution

€ 2 500,00

Address

NORDRE RINGGADE 1

8000 Aarhus C 

Region

Danmark > Midtjylland > Østjylland

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 2 500,00



EUROPEAN MOLECULAR BIOLOGY LABORATORY

 Germany

Net EU contribution

€ 2 500,00

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](#) 

[HORIZON collaboration network](#) 

Total cost

€ 2 500,00



FUNDACIO CENTRE DE REGULACIO GENOMICA



Spain

Net EU contribution

€ 15 000,00

Address

CARRER DOCTOR AIGUADER 88
08003 Barcelona

Region

Este > Catalunya > Barcelona

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 15 000,00



IDRYMA IATROVIOLOGIKON EREUNON AKADEMIAΣ ATHINON



Greece

Net EU contribution

€ 2 500,00

Address

SORANOU EFESIOU 4
115 27 Athina

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Research Organisations

Links

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

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

Total cost

€ 2 500,00



WEIZMANN INSTITUTE OF SCIENCE

 Israel

Net EU contribution

€ 2 500,00

Address

HERZL STREET 234

7610001 Rehovot 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 2 500,00



UNIVERSITA DEGLI STUDI DI MILANO

 Italy

Net EU contribution

€ 15 000,00

Address

Via Festa Del Perdono 7

20122 Milano 

Region

Nord-Ovest > Lombardia > Milano

Activity type

Higher or Secondary Education Establishments

Links

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

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

Total cost

€ 15 000,00



KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN - KNAW

 Netherlands

Net EU contribution

€ 2 500,00

Address

KLOVENIERSBURGWAL 29 HET TRIPPENHUIS
1011 JV AMSTERDAM 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 2 500,00



INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK

 Poland

Net EU contribution

€ 15 000,00

Address

NOSKOWSKIEGO 12-14
61-704 POZNAN 

Region

Makroregion północno-zachodni > Wielkopolskie > Miasto Poznań

Activity type

Research Organisations

Links

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

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

Total cost

€ 15 000,00



UNIVERSITATEA DE MEDICINA SI FARMACIE IULIU HATIEGANU CLUJ-NAPOCA

 Romania

Net EU contribution

€ 2 500,00

Address

VICTOR BABES STREET 8
400012 Cluj-Napoca 

Region

Macroregiunea Unu > Nord-Vest > Cluj

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 2 500,00



KAROLINSKA INSTITUTET

 Sweden

Net EU contribution

€ 2 500,00

Address

Nobels Vag 5
17177 Stockholm 

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 2 500,00



THE BABRAHAM INSTITUTE

 United Kingdom

Net EU contribution

€ 15 000,00

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

€ 15 000,00

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European Union, 2025