Infrastructure for NMR, EM and X-rays for translational research

Fact Sheet

Project Information

iNEXT

Grant agreement ID: 653706

Funded under
EXCELLENT SCIENCE - Research Infrastructures

Total cost
€ 9,999,534.25

EU contribution
€ 9,999,534.25

Coordinated by
UNIVERSITEIT UTRECHT
Netherlands

Closed project

EC signature date
29 April 2015

Start date
1 September 2015

End date
31 August 2019

Objective

Structural biology provides insight into the molecular architecture of cells up to atomic resolution, revealing the biological mechanisms that are fundamental to life. It is thus key to many innovations in chemistry, biotechnology and medicine such as engineered enzymes, new potent drugs, innovative vaccines and novel biomaterials. iNEXT (infrastructure for NMR, EM and X-rays for Translational research) will provide high-end structural biology instrumentation and expertise, facilitating expert
and non-expert European users to translate their fundamental research into biomedical and biotechnological applications.

iNEXT brings together leading European structural biology facilities under one interdisciplinary organizational umbrella and includes synchrotron sites for X-rays, NMR centers with ultra-high field instruments, and, for the first time, advanced electron microscopy and light imaging facilities. Together with key partners in biological and biomedical institutions, partners focusing on training and dissemination activities, and ESFRI projects (Instruct, Euro-BioImaging, EU-OPENSCREEN and future neutron-provider ESS), iNEXT forms an inclusive European network of world class.

iNEXT joint research projects (fragment screening for drug development, membrane protein structure, and multimodal cellular imaging) and networking, training and transnational access activities will be important for SMEs, established industries and academics alike. In particular, iNEXT will provide novel access modes to attract new and non-expert users, which are often hindered from engaging in structural biology projects through lack of instrumentation and expertise: a Structural Audit procedure, whereby a sample is assessed for its suitability for structural studies; Enhanced Project Support, allowing users to get expert help in an iNEXT facility; and High-End Data Collection, enabling experienced users to take full benefit of the iNEXT state-of-the-art equipment.

**Fields of science**

natural sciences > biological sciences > biochemistry > biomolecules > nucleic acids

natural sciences > biological sciences > genetics > DNA

natural sciences > physical sciences > optics > microscopy > electron microscopy

natural sciences > biological sciences > biochemistry > biomolecules > proteins > enzymes

natural sciences > biological sciences > molecular biology > structural biology

**Keywords**

Structural Biology, NMR, EM, protein crystallography, translational research, drug discovery, biotechnology.

**Programme(s)**

H2020-EU.1.4. - EXCELLENT SCIENCE - Research Infrastructures
H2020-EU.1.4.1.2. - Integrating and opening existing national and regional research infrastructures of European interest

**Topic(s)**

INFRAIA-1-2014-2015 - Integrating and opening existing national and regional research infrastructures of European interest

**Call for proposal**

H2020-INFRAIA-2014-2015

See other projects for this call

**Funding Scheme**

RIA - Research and Innovation action

**Coordinator**

UNIVERSITEIT UTRECHT

Net EU contribution

€ 999 724,00

Address

Heidelberglaan 8
3584 CS Utrecht
Netherlands

Region

West-Nederland > Utrecht > Utrecht

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network

Other funding

€ 0,00
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>Net EU contribution</th>
<th>Address</th>
<th>Region</th>
<th>Activity type</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUROPEAN MOLECULAR BIOLOGY LABORATORY</td>
<td>Germany</td>
<td>€ 2,395,127,00</td>
<td>Meyerhofstrasse 1 69117 Heidelberg</td>
<td>Baden-Württemberg &gt; Karlsruhe &gt; Heidelberg, Stadtkreis</td>
<td>Research organisations</td>
</tr>
<tr>
<td>DIAMOND LIGHT SOURCE LIMITED</td>
<td>United Kingdom</td>
<td>€ 1,155,074,25</td>
<td>Diamond house harwell science &amp; innovation campus chilton 0X11 0DE Didcot</td>
<td>South East (England) &gt; Berkshire, Buckinghamshire and Oxfordshire &gt; Oxfordshire</td>
<td>Other</td>
</tr>
</tbody>
</table>
HORIZON collaboration network

Other funding

€ 0,00

CONSORZIO INTERUNIVERSITARIO RISONANZE MAGNETICHE DI METALLO PROTEINE

Italy

Net EU contribution

€ 740 695,50

Address

Piazza di san marco 4
50121 Firenze

Region

Centro (IT) > Toscana > Firenze

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

JOHANN WOLFGANG GOETHE-UNIVERSITAET FRANKFURT AM MAIN

Germany

Net EU contribution

€ 684 776,50

Address

Theodor w adorno platz 1
60323 Frankfurt am main

Region

Hessen > Darmstadt > Frankfurt am Main, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments
STICHTING HET NEDERLANDS KANKER INSTITUUT-A TONI VAN LEEUWENHOEK ZIEKENHUIS

Netherlands

Net EU contribution

€ 683 500,00

Address
Plesmanlaan 121
1066 CX Amsterdam

Region
West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type
Research Organisations

Masarykova univerzita

Czechia

Net EU contribution

€ 470 672,00

Address
Zerotinovo namesti 9
601 77 Brno
AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

Spain

Net EU contribution
€ 428 600,00

Address
Calle serrano 117
28006 Madrid

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type
Research Organisations

Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

Other funding
€ 0,00

FORSCHUNGSVERBUND BERLIN EV

Germany

Net EU contribution
€ 438 609,00

Address
Rudower chaussee 17
12489 Berlin

Activity type
Research Organisations

Links
Contact the organisation  Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

---

SYNCHROTRON SOLEIL SOCIETE CIVILE

France

Net EU contribution
€ 385 925,00

Address
L orme des merisiers
91190 Saint aubin

Region
Ile-de-France > Ile-de-France > Essonne

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

Other funding
€ 0,00

---

LUNDS UNIVERSITET

Sweden

Net EU contribution
Netherlands
Net EU contribution
€ 223 562,50
Address
Albinusdreef 2
2333 ZA Leiden
Region
West-Nederland > Zuid-Holland > Agglomeratie Leiden en Bollenstreek
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network
Other funding
€ 0,00

EUROPEAN SYNCHROTRON RADIATION FACILITY
France
Net EU contribution
€ 203 250,00
Address
71 avenue des martyrs
38000 Grenoble
Region
Auvergne-Rhône-Alpes > Rhône-Alpes > Isère
Activity type
Research Organisations
Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network
Other funding
€ 0,00
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

France

Net EU contribution

€ 165 374,98

Address

Rue michel ange 3
75794 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

Other funding

€ 0,01

---

THIRD-PARTY

UNIVERSITE LYON 1 CLAUDE BERNARD

France

Net EU contribution

€ 0,01

Address

Boulevard du 11 novembre 1918 num43
69622 Villeurbanne cedex

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Rhône

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network
THIRD-PARTY

COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

France

Net EU contribution

€ 14 249,99

Address

Rue leblanc 25
75015 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

Other funding

€ 0,00

THIRD-PARTY

UNIVERSITE GRENOBLE ALPES

France

Net EU contribution

€ 0,01

Address

621 avenue centrale
38058 Grenoble

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Isère

Activity type

Higher or Secondary Education Establishments

Links
INSTRUCT ACADEMIC SERVICES LIMITED

United Kingdom

Net EU contribution
€ 128 500,00

Address
University of oxford offices wellington square
OX1 2JD Oxford

Region
South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

Activity type
Other

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

AARHUS UNIVERSITET

Denmark

Net EU contribution
€ 92 750,00

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

Other funding

€ 0,00

EUROPEAN SPALLATION SOURCE ERIC

Sweden

Net EU contribution

€ 47 000,00

Address

Odarslovsvagen 113
224 84 Lund

Region

Södra Sverige > Sydsverige > Skåne län

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding

€ 0,00

EOTVOS LORAND TUDOMANYEGYETEM

Hungary

Net EU contribution

€ 31 250,00

Address

Egyetem ter 1-3
1053 Budapest
Közép-Magyarország > Budapest > Budapest

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

UNIVERSIDADE NOVA DE LISBOA
Portugal
Net EU contribution
€ 31 250,00

Address
Campus de campolide
1099 085 Lisboa

Region
Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

OULUN YLIOPISTO
Finland
Net EU contribution
€ 31 250,00

Address
Pentti kaiteran katu 1
90014 Oulu

Region
Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Pohjanmaa

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

---

PANEPISTIMIO PATRON

Greece

Net EU contribution
€ 31 250,00

Address
University campus rio patras
265 04 Rio patras

Region
Κεντρική Ελλάδα > Δυτική Ελλάδα > Αχαΐα

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

---

WEIZMANN INSTITUTE OF SCIENCE

Israel

Net EU contribution
€ 31 250,00

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

Other funding
€ 0,00

Last update: 14 September 2023

Permalink: https://cordis.europa.eu/project/id/653706

European Union, 2023