Objective

Advancing personalized approaches in cancer therapy, aiding identification and adaptation of multi-modal treatment strategies for improved outcomes depends on clinical implementation of novel diagnostic technologies. For most cancer types the risk-features used to select individuals for post-operative adjuvant multimodal therapy are suboptimal, where many patients are overtreated and others undertreated. Liquid biopsy has opened a new diagnostic avenue to detect and monitor minimal residual disease (MRD) in individual cancer patients, especially for selecting patients for multi-modal therapies post-operatively. However, despite many circulating tumor DNA (ctDNA) diagnostics being developed there is a lack of standardization, harmonization, and robust data to demonstrate clinical validity. GUIDE.MRD is a consortium of leading academics, technology companies,
pharmaceutical companies, and experts in multi-stakeholder engagements. Together, we will tackle the critical questions by developing reference standards for ctDNA diagnostics, clinically validate promising ctDNA diagnostics and develop data to guide the use of multi-modal therapies with a non-invasive diagnostic test. With robust engagement with regulatory authorities, payers and importantly patients themselves, we will develop recommendations and guidelines based on objective data to use ctDNA diagnostics to guide multi-modal therapy selection to improve patient outcomes.

Fields of science

natural sciences  >  biological sciences  >  genetics  >  DNA
medical and health sciences  >  clinical medicine  >  oncology
engineering and technology  >  medical engineering  >  medical laboratory technology  >  diagnostic technologies

Keywords

Circulating tumor DNA (ctDNA)  minimal residual disease (MRD)  standardization
precision medicine

Programme(s)

HORIZON.2.1 - Health  MAIN PROGRAMME
HORIZON.2.1.7 - Innovative Health Initiative

Topic(s)

HORIZON-JU-IHI-2022-01-03 - Personalised oncology: innovative people centred, multi-modal therapies against cancer

Call for proposal

HORIZON-JU-IHI-2022-01-single-stage

See other projects for this call
Funding Scheme

HORIZON-JU-RIA - HORIZON JU Research and Innovation Actions

Coordinator

UNIVERSITAETSKLINIKUM HAMBURG-EPPENDORF

Net EU contribution
€ 2 345 918,75

Address
Martinistrasse 52
20251 Hamburg
Germany

Region
Hamburg > Hamburg > Hamburg

Links

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

Other funding
€ 1 050 000,00

Participants (22)

AARHUS UNIVERSITET

Denmark

Net EU contribution
€ 1 142 500,00

Address
Nordre ringgade 1
8000 Aarhus c

Region
Danmark > Midtjylland > Østjylland

Links
ACADEMISCH ZIEKENHUIS GRONINGEN

Netherlands

Net EU contribution
€ 1 513 496,25

Address
Hanzeplein 1
9713 GZ Groningen

Region
Noord-Nederland > Groningen > Overig Groningen

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

Other funding
€ 0,00

CENTRE HOSPITALIER UNIVERSITAIRE DE NICE

France

Net EU contribution
€ 719 625,00

Address
Avenue victoria 4
06003 Nice

Region
Provence-Alpes-Côte d’Azur > Provence-Alpes-Côte d’Azur > Alpes-Maritimes

Activity type
Research Organisations

Links
FUNDACION SECTOR PUBLICO ESTATAL CENTRO NACIONAL INVESTIGACIONES ONCOLOGICAS CARLOS III
Spain
Net EU contribution
€ 1 272 888,75
Address
C melchor fernandez almagro 3
28029 Madrid
Region
Comunidad de Madrid > Comunidad de Madrid > Madrid
Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network
Other funding
€ 300 000,00

LUNGENCLINIC GROSSHANSDORF GMBH
Germany
Net EU contribution
€ 765 363,75
Address
Wohrendamm 80
22927 Grosshansdorf
Region
Schleswig-Holstein > Schleswig-Holstein > Stormarn
Activity type
Other
KAROLINSKA INSTITUTET
Sweden
Net EU contribution
€ 655,137,50
Address
Nobels vag 5
17177 Stockholm
Region
Östra Sverige > Stockholm > Stockholms län
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

ILLUMINA CAMBRIDGE LIMITED
United Kingdom
Net EU contribution
€ 0,00
Address
Illumina centre 19 granta park
CB21 6DF Great abington
Region
East of England > East Anglia > Cambridgeshire CC
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Horizon Discovery Limited

United Kingdom

Net EU contribution

€ 0,00

Address

Cambridge research park
CB25 9TL Cambridge

SME

Yes

Region

East of England > East Anglia > Cambridgeshire CC

Activity type

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

Horizon Discovery Limited

United Kingdom

Net EU contribution

€ 0,00

Address

Cambridge research park
CB25 9TL Cambridge

SME

Yes

Region

East of England > East Anglia > Cambridgeshire CC

Activity type

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

LGC CLINICAL DIAGNOSTICS INC

United States

Net EU contribution

€ 0,00

Address

37 birch street
01757 Milford ma
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United States

Net EU contribution

€ 0,00

Address

Park avenue 345
10154 New york

Links

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

Other funding

€ 1 847 916,25

F. HOFFMANN-LA ROCHE AG

Switzerland

Net EU contribution

€ 0,00

Address

Grenzacherstrasse 124
4070 Basel

Region

Schweiz/Suisse/Svizzera > Nordwestschweiz > Basel-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

Other funding

€ 672 917,50

INNOVATION ACTA SRL

Italy

Net EU contribution
€ 377 733,75

Address
Via delle province 1
53100 Siena

SME
Yes

Region
Centro (IT) > Toscana > Siena

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

Other funding
€ 0,00

ASTRAZENECA UK LIMITED

United Kingdom

Net EU contribution
€ 0,00

Address
1 francis crick avenue cambridge biomedical campus
CB2 0AA Cambridge

Region
East of England > East Anglia > Cambridgeshire CC

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

Other funding
€ 797 917,50

MEDIZINISCHE UNIVERSITAT GRAZ

Austria

Net EU contribution
€ 1,918,230.00

Address

Neue stiftungtalstrasse 6
8010 Graz

Region

Südösterreich > Steiermark > Graz

Activity type

Higher or Secondary Education Establishments

Links

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

Other funding

€ 575,000.00

---

SYNERGIST SERVICES

Belgium

Net EU contribution

€ 757,896.25

Address

Avenue louise 231
1050 Bruxelles

SME

Yes

Region

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

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

Other funding

€ 650,000.00
ASOCIATIA CENTRUL PENTRU INOVATIE IN MEDICINA

Romania
Net EU contribution
€ 276,250,00

Address
Bd. Theodor Pallady 42j, room 1719 sector 3
032266 Bucharest

Region
Macroregiunea Trei > București-Ilfov > București

Activity type
Research Organisations

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

Other funding
€ 0,00

CENTRE HOSPITALIER UNIVERSITAIRE MONTPELLIER

France
Net EU contribution
€ 1,385,763,75

Address
Avenue du doyen Gaston Giraud 191
34000 Montpellier

Region
Occitanie > Languedoc-Roussillon > Hérault

Activity type
Research Organisations

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

Denmark

Net EU contribution
€ 2 701 343,75

Address
Palle juul-jensens boulevard 99
8200 Aarhus

Region
Danmark > Midtjylland > Østjylland

Activity type
Research Organisations

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

REGION STOCKHOLM

Sweden

Net EU contribution
€ 853 336,25

Address
Hantverkargatan 45
104 22 Stockholm

Region
Östra Sverige > Stockholm > Stockholms län

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
Partners (1)

LUNG CANCER EUROPE LUCE
Switzerland
Net EU contribution
€ 0,00

Address
Effingerstrasse 40
3008 Bern

Region
Schweiz/Suisse/Svizzera > Espace Mittelland > Bern / Berne

Activity type
Other

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

Other funding
€ 0,00

EC signature date 17 May 2023
Last update: 26 June 2023

Permalink: https://cordis.europa.eu/project/id/101112066

European Union, 2023