

Imperial College London Participation

Innovative Health Initiative

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REAL-WORLD IMPLEMENTATION, DEPLOYMENT AND VALIDATION
OF EARLY DETECTION TOOLS AND LIFESTYLE ENHANCEMENT

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Introduction

This booklet comprises the Project under the Innovative Health Initiative Public Private Partnership that Imperial participate in as an Associated Partner. Funding from UKRI Horizon Guarantee.

REAL-WORLD IMPLEMENTATION, DEPLOYMENT AND VALIDATION OF EARLY DETECTION TOOLS AND LIFESTYLE ENHANCEMENT

Fact Sheet

Project Information

AD-RIDDLE

Grant agreement ID: 101132933

EC signature date

13 November 2023

Start date

1 January 2024

End date

31 December 2028

Funded under

Health

Total cost

€ 29 051 202,50

EU contribution

€ 12 090 250,00

Coordinated by

REGION STOCKHOLM



Sweden

Objective

Alzheimer's disease (AD), the main cause of dementia, is one of the major global health challenges of our time. This disabling disorder affects 55 million people worldwide, with costs above \$1.3 trillion. With 67 million people at risk for AD dementia (prodromal and preclinical AD) in Europe alone, it is a major unmet public health need, with increasing burden for European economies, healthcare and social care systems and a concern for the future. Yet, prevention and early detection strategies have been lacking. Recent advances in disease-modifying therapies and the huge potential benefits of preventive multidomain interventions based on modifiable lifestyle and vascular factors (prevention potential ~ 40%) provide new

opportunities. New developments in blood-based biomarkers (BBMs) and digital cognitive tests enable broader, cost-effective testing. The AD-RIDDLE platform is envisioned to revolutionize how AD is detected and diagnosed, prevented and treated across healthcare settings (HCS). AD-RIDDLE centres around a toolbox platform concept, providing a series of validated tools at each key step to enable HCS and practitioners to deploy enhanced AD management across diverse patient populations.

The AD-RIDDLE toolbox platform will include a) community outreach tools to increase awareness/activation on AD prevention; b) combination of easily available, clinically validated biomarkers: digital cognitive tools and BBMs, for early detection of AD dementia risk; c) validated algorithms supporting clinical decisions, to identify people who can benefit from specific preventive therapies (pharma and/or non-pharma) using precision prevention approach. The toolbox usability and efficacy will be tested in real-world settings. We expect that the AD-RIDDLE modular and flexible design can facilitate broad uptake from different healthcare systems, and its tools can advance research to develop cost-effective preventive therapies for AD, with scalability for other dementias

Fields of science

[medical and health sciences](#) > [health sciences](#) > [public health](#)

[medical and health sciences](#) > [basic medicine](#) > [neurology](#) > [dementia](#) > [alzheimer](#)

Keywords

[Alzheimer's disease](#)

[digital and blood based biomarkers](#)

[population screening and clinical decision support toolkit](#)

Programme(s)

[HORIZON.2.1 - Health](#)

MAIN PROGRAMME

[HORIZON.2.1.7 - Innovative Health Initiative](#)

Topic(s)

[HORIZON-JU-IHI-2022-03-01 - Screening platform and biomarkers for prediction and prevention of diseases of unmet public health need](#)

Call for proposal

[HORIZON-JU-IHI-2022-03-single-stage](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-JU-RIA - HORIZON JU Research and Innovation Actions](#)

Coordinator



REGION STOCKHOLM

Net EU contribution

€ 2 932 750,00

Address

Hantverkargatan 45

104 22 Stockholm

 Sweden 

Region

Östra Sverige > Stockholm > Stockholms 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

Participants (20)



KAROLINSKA INSTITUTET

 Sweden

Net EU contribution

€ 734 250,00

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](#) 

Other funding

€ 0,00



STIFTELSEN FINGERS BRAIN HEALTH INSTITUTE

 Sweden

Net EU contribution

€ 590 250,00

Address

C/o stockholms sjukhem

102 26 Stockholm 

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 175 000,00



GOETEBORGS UNIVERSITET

 Sweden

Net EU contribution

€ 1 095 250,00

Address

Vasaparken

405 30 Goeteborg 

Region

Södra Sverige > Västsverige > Västra Götalands län

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



LUNDS UNIVERSITET

 Sweden

Net EU contribution

€ 1 095 250,00

Address

Paradisgatan 5c

22100 Lund 

Region

Södra Sverige > Sydsverige > Skåne län

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



ITA-SUOMEN YLIOPISTO

Finland

Net EU contribution

€ 929 000,00

Address

Yliopistonranta 8

70211 Kuopio

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Savo

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



STICHTING VUMC

Netherlands

Net EU contribution

€ 1 121 250,00

Address

De boelelaan 1117

1081 HV Amsterdam

Region

West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



UNIVERSITEIT MAASTRICHT

 Netherlands

Net EU contribution

€ 537 000,00

Address

Minderbroedersberg 4
6200 MD Maastricht 

Region

Zuid-Nederland > Limburg (NL) > Zuid-Limburg

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



FUNDACIO BARCELONABETA BRAIN RESEARCH CENTER

 Spain

Net EU contribution

€ 1 038 000,00

Address

Calle wellington 30
08005 Barcelona 

Region

Este > Cataluña > Barcelona

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




SYNAPSE RESEARCH MANAGEMENT PARTNERS SL

 Spain

Net EU contribution

€ 803 250,00

Address

Calle velazquez 94 planta 1
28006 Madrid 

SME 

Yes

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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



ALZHEIMER EUROPE

 Luxembourg

Net EU contribution

€ 538 000,00

Address

Rue dicks 14
1417 Luxembourg 

SME 

Yes

Region

Luxembourg > Luxembourg > Luxembourg

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 25 000,00



ALZHEIMER'S DISEASE INTERNATIONAL THE INTERNATIONAL FEDERATION OF ALZHEIMER'S DISEASE AND RELATED DISORDERS SOCIETIES INC

 United States

Net EU contribution

€ 157 000,00

Address

100 tri-state international, suite suite 300

60069 Lincolnshire 

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITA DEGLI STUDI DI PERUGIA

 Italy

Net EU contribution

€ 519 000,00

Address

Piazza dell universita 1
06123 Perugia 

Region

Centro (IT) > Umbria > Perugia

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



GATES VENTURES LLC

 United States

Net EU contribution

€ 0,00

Address

4110 carilon point
98033 Kirkland 

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

€ 4 800 000,00



DAVOS ALZHEIMER'S COLLABORATIVE

 Switzerland

Net EU contribution

€ 0,00

Address

Cours de rive 13

1204 Geneve 

Region

Schweiz/Suisse/Svizzera > Région lémanique > Genève

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 2 658 000,00



COMBINOSTICS OY

 Finland

Net EU contribution

€ 0,00

Address

Hatanpään valtatie 24

33100 Tampere 

SME 

Yes

Region

Manner-Suomi > Länsi-Suomi > Pirkanmaa

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

€ 500 000,00



FUJIREBIO EUROPE NV

 Belgium

Net EU contribution

€ 0,00

Address

Technologiepark 6
9052 Zwijnaarde gent 

Region

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

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

€ 425 000,00



SANOFI-AVENTIS RECHERCHE & DEVELOPPEMENT

 France

Net EU contribution

€ 0,00

Address

Pierre brossolette 1
91380 Chilly mazarin 

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

€ 1 000 000,00



C2N DIAGNOSTICS LLC

 United States

Net EU contribution

€ 0,00

Address

4340 duncan avenue

63110 St louis 

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

€ 3 792 851,25



NEOTIV GMBH

 Germany

Net EU contribution

€ 0,00

Address

Hegelstrasse 19

39104 Magdeburg 

SME 

Yes

Region

Sachsen-Anhalt > Sachsen-Anhalt > Magdeburg, Kreisfreie Stadt

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

€ 3 085 800,00



CAMBRIDGE COGNITION LIMITED

United Kingdom

Net EU contribution

€ 0,00

Address

**Tunbridge court tunbridge lane, bottisham cambs
CB25 9TU 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](#)

Other funding

€ 499 301,25

Partners (3)



UNIVERSITY OF LEICESTER

United Kingdom

Net EU contribution

€ 0,00

Address

**University road
LE1 7RH Leicester**

Region

East Midlands (England) > Leicestershire, Rutland and Northamptonshire > Leicester

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

No data



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

No data



NATIONAL INSTITUTE FOR HEALTH AND CARE EXCELLENCE

 United Kingdom

Net EU contribution

€ 0,00

Address

Level 1a city tower piccadilly plaza

M1 4BT Manchester 

Region

North West (England) > Greater Manchester > Manchester

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

No data

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European Union, 2024