

HORIZON
2020

PROMOTING ACTIVE AGEING: FUNCTIONAL NANOSTRUCTURES FOR ALZHEIMER'S DISEASE AT ULTRA- EARLY STAGES.

Fact Sheet

Project Information

PANA

Grant agreement ID: 686009

[Project website](#) 

DOI

[10.3030/686009](https://doi.org/10.3030/686009) 

Project closed

EC signature date

4 March 2016

Start date

1 March 2016

End date

31 August 2021

Funded under

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials

Total cost

€ 7 775 972,50

EU contribution

€ 7 775 972,50

Coordinated by

SERVIZO GALEGO DE SAUDE



Spain

Project description

Theranostics for Alzheimer's disease

The cognitive decline linked to Alzheimer's disease (AD) is a major cause of limited social engagement and loss of independence among the elderly. To address the need for interventions to delay AD progression, the EU-funded PANA project will

focus on tau, a microtubule-associated protein responsible for maintaining the structure and stability of neurons. In AD, tau forms tangles or aggregates which disrupt the normal function of neurons, eventually causing their death. Researchers propose to use PET/MRI imaging to detect tau oligomers as an early AD biomarker. Emphasis will also be given to the development of theranostic nanostructures capable of detecting and treating tau oligomers in the brain.

Fields of science (EuroSciVoc)

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

[medical and health sciences](#) > [basic medicine](#) > [pharmacology and pharmacy](#) > **[pharmaceutical drugs](#)**

[medical and health sciences](#) > [clinical medicine](#) > [radiology](#) > **[nuclear medicine](#)**

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

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



Keywords

[Alzheimer Disease](#)

[Nanotechnology](#)

[theragnostics](#)

[molecular imaging](#)

[nanostructures](#)

[nanoparticles](#)

[MRI](#)

[PET](#)

Programme(s)

[H2020-EU.2.1.3. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials](#)

MAIN PROGRAMME

Topic(s)

[NMP-12-2015 - Biomaterials for treatment and prevention of Alzheimer's disease](#)

Call for proposal

[H2020-NMP-2014-2015](#)

[See other projects for this call](#)

Sub call

H2020-NMP-2015-two-stage

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



SERVIZO GALEGO DE SAUDE

Net EU contribution

€ 1 573 537,50

Total cost

€ 1 573 537,50

Address

Edificio Administrativo San Lázaro
15703 Santiago De Compostela

 Spain 

Region

Noroeste > Galicia > A Coruña

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](#) 

Participants (12)



UNIVERSIDAD DE SANTIAGO DE COMPOSTELA

 Spain

Net EU contribution

€ 529 750,00

Address

COLEXIO DE SAN XEROME PRAZA DO OBRADOIRO S/N
15782 Santiago De Compostela 

Region

Noroeste > Galicia > A Coruña

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 529 750,00



INTERNATIONAL IBERIAN NANOTECHNOLOGY LABORATORY

 Portugal

Net EU contribution

€ 319 497,50

Address

AVENIDA MESTRE JOSE VEIGA
4715-330 Braga 

Region

Continente > Norte > Cávado

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 319 497,50



KATHOLIEKE UNIVERSITEIT LEUVEN

 Belgium

Net EU contribution

€ 1 094 875,00

Address

OUDE MARKT 13

3000 Leuven 

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 1 094 875,00



reMYND NV

 Belgium

Net EU contribution

€ 482 720,00

Address

Gaston Geenslaan 1

3001 Leuven 

SME 

Yes

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

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

€ 482 720,00



STAB VIDA INVESTIGACAO E SERVICOS EM CIENCIAS BIOLOGICAS LDA

 Portugal

Net EU contribution

€ 463 030,00

Address

RUA DOS INVENTORES S/N EDIFICIO MADAN PARQUE SALAS 2.18 E 2.19

2825 182 Caparica 

SME 

Yes

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

€ 463 030,00



STICHTING VU 

 Netherlands

Net EU contribution

€ 0,00

Address

DE BOELELAAN 1105

1081 HV Amsterdam 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



ITA-SUOMEN YLIOPISTO

Finland

Net EU contribution

€ 1 055 500,00

Address

YLIOPISTONRANTA 8
70211 KUOPIO

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 1 055 500,00



ROCHE DIAGNOSTICS SL

Spain

Net EU contribution

€ 253 437,50

Address

AVDA. GENERALITAT SN S CUGAT VALL
08174 Barcelona

Region

Este > Cataluña > Barcelona

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](#)

Total cost

€ 253 437,50



BIOTECHPHARMA

Lithuania

Net EU contribution

€ 845 250,00

Address

MOKSLININKU STREET 4
LT-08412 Vilnius

SME

Yes

Region

Lietuva > Sostinės regionas > Vilniaus apskritis

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](#)

Total cost

€ 845 250,00



FUNDACION INSTITUTO DE ESTUDIOS DE CIENCIAS DE LA SALUD DE CASTILLA Y LEON

Spain

Net EU contribution

€ 388 496,19

Address

PARQUE SANTA CLARA
42002 Soria

Region

Centro (ES) > Castilla y León > Soria

Activity type

Research Organisations

Links

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

Total cost

€ 396 250,00

 THIRD-PARTY

AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

 Spain

Net EU contribution

€ 7 753,81

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](#)

Total cost

€ 7 753,81



STICHTING AMSTERDAM UMC

 Netherlands

Net EU contribution

€ 762 125,00

Address

DE BOELELAAN 1117
1081 HV Amsterdam 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 762 125,00

Last update: 22 April 2023

Permalink: <https://cordis.europa.eu/project/id/686009>

European Union, 2025