Advanced Customized Technologies for Intact Vision in Ageing

Fact Sheet

Project Information

ACTIVA
Grant agreement ID: 101119695

Funded under
Marie Skłodowska-Curie Actions (MSCA)

DOI
10.3030/101119695

Total cost
€ 0,00

EU contribution
€ 2 425 514,40

Coordinated by
KUNGILGA TEKNISKA
HOEGSKOLAN
Sweden

Start date
1 September 2023
End date
31 August 2027

Objective

The proposed DN “Advanced Customized Technologies for Intact Vision in Ageing” (ACTIVA) provides an international, interdisciplinary platform to train young scientists at the interface of physics and medicine to study unresolved questions and develop novel techniques to facilitate intact, or even improved, visual function in the elderly population. Good vision throughout life is a key factor both on a personal level and socioeconomically and has particular pertinence to the ageing population of Europe. ACTIVA is a joint initiative to develop new optical technologies that will facilitate good vision throughout life. Within the project, 9 young researchers will be trained in new optical technologies to diagnose and compensate for different aspects of the normal ageing of the eye as well as the most common age-related ocular conditions. The novel vision enabling techniques, to be developed in this DN, will focus on facilitating
the functionality of both near and far vision. Furthermore, early diagnosis of ocular diseases is essential to offer timely treatment and reduce the risk of vision loss. The novel diagnosis technologies, to be developed in this DN, will focus on early detection of pathological changes in visual function. The consortium combines the expertise of three academic partners with excellent research and teaching records and two fully integrated private sector partners. Furthermore, the consortium will be counselled by a scientifically accomplished External Advisory Board. Close collaborations and multi-site training activities will ensure to provide the young researchers with a vast network and interdisciplinary research experience. ACTIVA will be recognized worldwide as a major contribution to the ageing challenge and the social investment of the European Commission in active ageing.

Keywords

physiological optics  presbyopia  cataract  ocular optical aberrations

adaptive optics  psychophysics  visual processing  diagnosis

vision aids and age-related changes

Programme(s)

HORIZON.1.2 - Marie Skłodowska-Curie Actions (MSCA)  MAIN PROGRAMME

Topic(s)

HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022

Call for proposal

HORIZON-MSCA-2022-DN-01

See other projects for this call

Funding Scheme

HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks
Coordinator

KUNGLIGA TEKNISKA HOEGSKOLAN
Net EU contribution
€ 587 419,20
Address
Brinellvagen 8
100 44 Stockholm
Sweden
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

Participants (4)

UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN
Ireland
Net EU contribution
€ 572 976,00
Address
Belfield
4 Dublin
Region
Ireland > Eastern and Midland > Dublin
Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network
UNIVERSIDAD DE MURCIA
Spain
Net EU contribution
€ 503 942,40
Address
Avenida teniente flomesta s/n - edificio convalecencia
30003 Murcia
Region
Sur > Región de Murcia > Murcia
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

CARL ZEISS VISION INTERNATIONAL GMBH
Germany
Net EU contribution
€ 521 078,40
Address
Turnstrasse 27
73430 Aalen
Region
Baden-Württemberg > Stuttgart > Ostalbkreis
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
DIESTIA SYSTIMATA IDIOTIKI KEFALAIOUCHIKI ETAIREIA

Greece

Net EU contribution

€ 240,098.40

Address

Platonos 77
104 41 Athina

SME

Yes

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

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

€ 0,00

Partners (4)

TOBII TECHNOLOGY

Sweden

Net EU contribution

€ 0,00

Address
Karlsrovagen 2d
18253 Danderyd
SME
Yes
Region
Östra Sverige > Stockholm > Stockholms län
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

Alcon Laboratories Ireland Ltd
Ireland
Net EU contribution
€ 0,00
Address
Business and technology park
T12 RX79 Cork, Ireland
Region
Ireland > Southern > South-West
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

VOPTICA S.L.
Spain

Net EU contribution

€ 0,00

Address
Campus de espinardo, ctra. madrid km.388, parque científico de murcia. edificio t. locales t1/3 y t2/9
30100 Murcia

SME
Yes

Region
Sur > Región de Murcia > Murcia

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

€ 0,00

EBERHARD KARLS UNIVERSITAET TUEBINGEN

Germany

Net EU contribution

€ 0,00

Address
Geschwister-scholl-platz
72074 Tuebingen

Region
Baden-Württemberg > Tübingen > Tübingen, Landkreis

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

Other funding

€ 0,00