AUTOIGG

Project ID: 778405

Funded under: H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge

AUTOMATED FUNCTIONAL SCREENING OF IgGs FOR DIAGNOSTICS OFNEURODEGENERATIVE DISEASES

From 2018-01-01 **to** 2021-12-31, Grant Agreement signed

Project details

Total cost:	**Topic(s):**
EUR 954 000	MSCA-RISE-2017 - Research and Innovation Staff Exchange
EU contribution:	**Call for proposal:**
EUR 954 000	H2020-MSCA-RISE-2017 See other projects for this call
Coordinated in:	**Funding scheme:**
Serbia	MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

Objective

The project proposes to organize the exchange of staff of three Academic institutions from Serbia (coordinator), Turkey and Finland, two SMEs from France and Turkey and three TC institutions (two from USA and one from Costa Rica) towards the production of an innovative automated multifunctional device for diagnostics of neurodegenerative diseases.
The objectives addressed will be:
• Development of experimental cellular models and procedures with immunoglobulins (IgGs) from patient sera as diagnostic and prognostic technologies related to neurodegenerative diseases (particularly based on studies of amyotrophic lateral sclerosis - ALS).
• Defining mark-up characteristics of the standardized in vitro approach for personalized diagnostic protocols.
• Design of a small-scale platform based on automated fluorescence microscopy.
These objectives are based on previous studies on ALS of the coordinators group, however the project also proposes to study the applications on other neuroinflammations and neurodegenerative conditions. This addresses a relevant R & I as well as a socioeconomic medical issue. It is the right timing for addresing this research chalange towards application by means of networking that will deal with interesectorial and international exchange of expertise. In addition, three workshops and two training schools will be organized followed by an elaborate dissemination programme. Carrier plans will be designed for the seconded staff in order to maintain the sustainability of the Action.

Coordinator

FACULTY OF BIOLOGY OF THE UNIVERSITY OF BELGRADE
STUDENTSKI TRG 3/2
11000 BEOGRAD
Serbia

Serbia

EU contribution: EUR 693 000

Activity type: Higher or Secondary Education Establishments
Contact the organisation

Participants

YEDITEPE UNIVERSITY VAKIF
KAYISDAGI STREET AGUSTOS CAMPUS 26
81120 Istanbul
Turkey

Turkey

EU contribution: EUR 121 500

Activity type: Higher or Secondary Education Establishments
Contact the organisation

ITÄ-SUOMEN YLIOPISTO
YLIOPISTONRANTA 1 E
70211 Kuopio
Finland

Finland

EU contribution: EUR 36 000

Activity type: Higher or Secondary Education Establishments
Contact the organisation

ARGENIT AKILLI BILGI TEKNOLOJILERI SANAYI VE TICARET LIMITED SIRKETI
ITU AYAZAGA KAMPUSU ARI TEKNOKENT ARI 1 BINASI NO 27 MASLAK SARIYER
34469 ISTANBUL
Turkey

Turkey

EU contribution: EUR 94 500

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

ELVESYS SAS
111 AVENUE VICTOR HUGO
75784 PARIS CEDEX 16
France

France

EU contribution: EUR 9 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

Partner organisations

FUNDACION CENTRO DE ALTA TECNOLOGIA — Costa Rica

1.3 KM NORTE DE LA EMBAJADA DE LOS ESTADOS UNIDOS EDIFICIO FRANKLIN CHAN
1174 1200 SAN JOSE
Costa Rica

Activity type: Research Organisations
Contact the organisation

UNIVERSITY OF CONNECTICUT — United States

Whitney Road Extension - Unit 1133 438
06269 STORRS
United States

Activity type: Higher or Secondary Education Establishments
Contact the organisation

THE UNIVERSITY OF CHICAGO — United States

S ELLIS AVE 5801
60637 Chicago
United States

Activity type: Higher or Secondary Education Establishments
Contact the organisation

Last updated on 2017-10-31
Retrieved on 2017-12-08

Permalink: http://cordis.europa.eu/project/rcn/212230_en.html