Profile Status: Published

Research & Development Request

Horizon 2020/ MSCA: Researcher in optoelectronics /photonic sought

Summary

A German precision engineering company is looking for a researcher in optoelectronics/ photonic with technical skills for the development of remote sensing devices to detect the speed of particles and objects based on the companies patented core technology. The aim is to commonly apply for a MSCA Individual Fellowship grant under Horizon 2020 (MSCA-IF-2018).

Creation Date	09 May 2018
Last Update	06 June 2018
Expiration Date	12 July 2018
Reference	RDDE20180509001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/8b14f562-4d28-4078-b451-15efe0f17f83

Details

Description

Currently, a German precision engineering company develops a unique measurement technology to remotely measure the velocity of particles and objects. The system only sends out one pulsed laser beam. The light reflects on little particles, for example in the air. The system detects the backscattered light, modulates the signal and receives the information about the lateral velocity of the particle.

The first product is a lateral Light Detection and Ranging (LiDAR) device which is able to detect speed and direction of single particles in different heights up to 200 m. This data holds the opportunity for a vertical wind profile in high resolution. The advantage to conventional Doppler-LiDAR is the drastic reduction of the sample volume. In fact, the company's measurement technique enables remote point measurement of horizontal wind speeds.

In order to commonly apply for a MSCA Individual Fellowships grant under Horizon 2020 (MSCA-IF-2018) the company is looking for a researcher (MD or PHD) in optoelectronics / photonic with technical skills for the development of remote sensing devices to detect the speed of particles and objects based on the companies patented core technology. Technical expertise in the field of optical measurement technology and interest in a new field of work coupled with a technical affinity is of great advantage. The interested researcher will apply her/his optoelectronical expertise while working with the company's patented equipment and devices, testing them and adjusting their properties and functions according to the target function. The ambition to build up a new business field with high potential for the researcher’s professional future should be the driving force.

The deadline for expressions of interest is the 12th of July 2018, as the German company is planning to submit the proposal at the cut-off date of the 12th of September 2018. The call has a single evaluation scheme. The anticipated duration of the project is 24 months, but an extended collaboration with the researcher is very wished after the end of the project.

Advantages and Innovations

The first device based on the core technology will allow highly precise measurements of the wind velocity in every class of terrain. It combines the advantages of remote sensing technology (easy to deploy, no permits, height) with the accuracy of a point measurement of a traditional met mast on location. With taller turbines, the wind industry is moving to more and more complex terrains. The lateral LiDAR technology makes it possible to assess these sites with turbulent flow conditions. This minimizes the financial risk of multimillion investments in wind park project.

Stage of Development

Project already started

IPR Status

Patent(s) applied for but not yet granted,Exclusive Rights

Keywords

Technology

04005008	Wind energy
09001007	Optical Technology related to measurements
09001009	Sensor Technology related to measurements
10002010	Remote sensing technology
10002013	Clean Production / Green Technologies

Market

03005	Laser Related
03007002	Other measuring devices
06003003	Wind energy
08002002	Industrial measurement and sensing equipment
09003005	Consulting services

NACE

C.26.5.1	Manufacture of instruments and appliances for measuring, testing and navigation

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

2015

Turnover

<1M

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
German
Spanish

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

Researcher with an academic degree / university graduate / MD or PHD in the field of physics / optics / optoelectronics / measurement technology / signal processing with technical skills related to device development and tool building. The objective of the innovation project is to develop, optimize and adjust the core technology to offer multiple sensors and related services to different industries.

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

H2020-MSCA-IF-2018

Coordinator Required

No

Deadline for EOI

12 Jul 2018

Deadline for Call

12 Sep 2018

Attachments

Profile Status: Published

Research & Development Request

LC-SC3-RES-14-2019: Looking for an offshore wind turbine operator

Summary

A Greek research SME prepares a proposal for the optimization of manufacturing and system operation for the marine energy deriving from the ocean and off-shore wind. The proposal will deal with the monitoring of the wind farms. using intelligent sensor. The company is looking for an offshore wind turbine operator to identify needs and provide operational data.

Creation Date	25 June 2018
Last Update	26 June 2018
Expiration Date	28 September 2018
Reference	RDGR20180625001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/26c4d240-a5b1-4b2f-8f5e-62e9efe2d676

Details

Description

The Greek company is a research SME working for delivering advanced engineering solutions using high technology and integration of different scientific fields. The company is also very experienced in coordinating research & innovation EU funded projects. The company has well-built links with foremost world technology organizations. The company delivers engineering, consulting, outsourcing, R&D, training and state-of-technology products as well as geospatial database infrastructures, geo-informatics and the environment.

Renewable electricity technologies still require optimization in several key processes of the respective value chains in order to achieve a more efficient conversion of their primary energy source into electricity. The proposal will deal with the sub-topic of monitoring system for marine energy systems, both the ocean and the off-shore wind ones. The proposal will include the testing and integration of new intelligent sensors. The proposal will also develop fault detection and communication systems for accurate condition and structural health monitoring will enable predictive and preventive operation and preventive maintenance processes, crucial for innovative wind farm control and the realization of virtual power plants.

The proposal will create a cloud based offshore wind farm (OWF) monitoring system consisting of the following two profiles. First, the operational profile. Geographic information system (GIS) mapping of wind farm, localized weather data for prediction of extreme conditions to identify potential hazards, localized weather and electricity production correlation, real-time generated electricity production and prediction delivery status per wind turbine and generated and predicted performance data comparison. Real time grid simulator that will be able to proof the

performance of the virtual power plant and predict the energy supplied to the grid.

The proposal also suggests the creation of a maintenance profile. Real-time monitoring (operating and emergency status) of electrical control, gearbox, yaw system, generator, hydraulic, grid, blades, brakes and bearing which is the 65% of the total failures of a wind turbine. Foundation and tower inspection for every wind turbine within the farm. Application of service robots for inspection, cleaning and maintenance where possible. Both operational & maintenance profiles will be combined into a cloud-based decision support system (DSS) for the optimal remote management of the OWF.

The proposed methodology will be achieved by using advanced mapping solution and GIS technology for the mapping of the OWF. Localized weather data and OWF assessment by installing local meteorological station. Innovative technology sensors for real-time condition and health monitoring of electrical control, gearbox, yaw system, generator, hydraulic, grid, brakes and bearing. Blades, foundation and tower inspection will be performed by Unmanned Arial Vehicle (UAV) and Unmanned Underwater Surface Vessel (UUSV) equipped with high-resolution cameras and other sensors required for inspection. The UAV and the UUSV will be able to perform pre-defined scenarios and to control them from land. Nearby passing vessels can deploy new UAVs and UUSVs and collect operating UAVs and the UUSVs needed to come back to land for service and maintenance with a respective win-win situation for the passing vessels (e.g. recharging free their batteries, power benefits for the maritime company etc.). This will make OWF at a great percentage, maintenance free.

The Greek company is looking for for an offshore wind turbine operator. The role of the partner will be to identify current needs for inspection and maintenance and also to provide the consortium available data from the offshore wind turbine farm.

Deadline of the call: 16/10/2018
Deadline for EoIs: 28/9/2018

Advantages and Innovations

The improved performance of manufacturing processes and system operation is expected to lead to increased efficiency of the system and/or reduced operational costs of the renewable technologies. The updated 2030 EC targets define a 27% overall renewable energy share for EU states, paving the way for a low-carbon sustainable European economy. Therefore, a need for advanced and cost-competitive offshore wind farms (OWF) business is emerging to reach future goals for predictive and preventive operation and preventive maintenance processes, crucial for innovative wind farm control and the realization of virtual power plants. The challenge is to develop a complete fault detection, real time monitoring protection and communication system for accurate condition and structural health monitoring for OWF. This aims to reduce the operating costs of OWF by reducing people traveling on site for maintenance and examination. At the same time this will reduce costs from possible catastrophic failures as the methodology will enable remotely operations for safety mode and shut down. Virtual power plant will demonstrate the availability, the power fluctuations and the predictability of the wind power generation supplied to the grid.

Stage of Development

Proposal under development

Keywords

Technology

04005008	Wind energy
04007001	Energy management

Market

06003003	Wind energy

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : Yes

Dissemination

Send to Sector Group

Intelligent Energy

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

2001

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Greek

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

The Greek company is looking for an offshore wind turbine operator. The role of the partner will be to identify current needs for inspection and maintenance and also to provide the consortium available data from the offshore wind turbine farm.

Type and Size of Partner Sought

SME 11-50,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

Topic identifier: LC-SC3-RES-14-2019
Title: Optimising manufacturing and system operation

Submission and evaluation scheme

Types of action: RIA Research and Innovation action
Deadline Model: two-stage

Coordinator Required

No

Deadline for EOI

28 Sep 2018

Deadline for Call

16 Oct 2018

Weblink to the Call

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-14-2019.html

Attachments

Profile Status: Published

Research & Development Request

UK-based university with an existing consortium seeks partners for Horizon 2020 proposal in the areas around smart and healthy living at home/personalised medicine

Summary

A UK-based consortium is looking to develop a system to enable the elderly to live more independently. The innovation core to the proposal is an AI assisted personalised interface for mobile devices using learning systems, update and or change installed apps to optimise the coaching of individuals. The consortium is looking for partners, industrial and academic, who have been involved in projects around the theme of healthy living at home, to strengthen a core consortium for a proposal to H2020.

Creation Date	11 June 2018
Last Update	12 June 2018
Expiration Date	15 August 2018
Reference	RDUK20180611001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/76cb797e-2809-42dd-a5fb-4e95b981ce5e

Details

Description

The increasing elderly populations in most countries presents a seeming contradiction between the individuals wanting to live independently and their needing personalised care due to age-related illnesses and co-morbidities that are very individual. Use of ICT has the potential to provide solutions that enable the elderly to live more independently and still manage their health and mental well-being.

A UK-based consortium made of academic institutions, regional/municipal healthcare providers and industrial partners are seeking additional partners to enhance the core consortium. In particular partners who are part of existing projects in this area and are looking to take the outcomes of these projects further as part of a larger proposal. The consortium will bring 4 pilot sites across Europe, an SME partner (Data Centre) who are experts in data storage, authentication and compliance procedures, a large organisation partner in healthcare technology, and research expertise in Machine Learning and Big Data Analytics. The existing consortium needs addiitonal consortium partners who want to take their current project to the next level, and preferably be willing to coordinate the consortium.

The proposed innovation at the core of the project is an AI assisted personalised interface (dashboard) for mobile devices, which would considerably ease both the selection and

installation of appropriate supporting apps/systems and, using learning systems, update and or change installed apps to optimise the coaching of individuals. This will support them in maximising life opportunities, in turn contributing towards extending the period in which individuals remain living in their own homes. The main USP will be that this dashboard system will be able to learn the user preferences, target-goals, permissive boundaries etc, and adapt its behaviour. For the SC1-BHC-25-2019 call, the existing consortium could bring a USA University partner who has strong links with major international healthcare technology companies.

The project proposal will be submitted to Horizon 2020 under the DT-TDS-01-2019 Smart and healthy living at home call topic and / or the SC1-BHC-25-2019 Demonstration pilots for implementation of personalised medicine in healthcare call topic

Deadlines for Expressions of Interest is 15th August 2018.
Deadline for the DT-TDS-01-2019 call is 14th November 2018.
Deadline for the SC1-BHC-25-2019 call is 2nd October 2018 (1st stage)

Keywords

Technology

01001001	Automation, Robotics Control Systems
01001002	Digital Systems, Digital Representation
01004001	Applications for Health
01004016	Analysis Risk Management

Market

05010001	Safety for the elderly

NACE

M.72.1.9	Other research and experimental development on natural sciences and engineering
P.85.4.2	Tertiary education

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : Yes

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The UK-based university is looking for partners from the research base and from industry with knowledge and experience in the following areas:

1. Artificial intelligence and machine learning.
2. Development of ICT systems in the area of healthcare.
3. Running of ICT-based validation projects / clinical trials and especially the implications of GDPR.
4. Access to potential end users for development, validation and feedback on the system e.g. care homes, retirement villages and sheltered housing providers across Europe .

Ideally the partner will have taken part in a previous EU project in a similar field and be looking to take the results of that project further as part of a larger proposal. Preference will be given to consortiums with current projects and who could coordinate the extended consortium.

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

DT-TDS-01-2019 Smart and healthy living at home SC1-BHC-25-2019 Demonstration pilots for implementation of personalised medicine in healthcare

Submission and evaluation scheme

DT-TDS-01-2019 Smart and healthy living at home: single stage. SC1-BHC-25-2019 Demonstration pilots for implementation of personalised medicine in healthcare: two-stage

Coordinator Required

Yes

Deadline for EOI

15 Aug 2018

Deadline for Call

02 Oct 2018

Attachments

Profile Status: Published

Research & Development Request

H2020-MSCA-IF-2018: Researcher needed for the development of novel methodologies for analysis and design of steel and timber joints

Summary

A research group of a university located in the North of Spain seeks a researcher to be candidate for HORIZON 2020 – MSCA / Individual Fellowships (H2020-MSCA-IF-2018). She/he will be asked to prepare a proposal aimed at developing a novel methodology for analysis of 2D joints based on advanced computational techniques and metamodels, which will exceed the accuracy and reliability of both the component and semi-empirical methods currently in use.

Creation Date	24 May 2018
Last Update	07 June 2018
Expiration Date	07 July 2018
Reference	RDES20180524001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/4da6a88f-a023-4d85-9d86-7647ceec38c2

Details

Description

The research group related to automated analysis and design of structures at a Spanish university focuses its research on the development of design, analysis and prototyping methods for building structures. The main activity consists of the development of new design techniques for structural analysis, including joints.

The team has an extensive experience in the area: they have proposed design methods for structures, developed calculation and finite element models for structural joints, and carried out numerous experimental programs in joints and other structural elements. They also work on the development of computational methods for structural analysis, mainly in 3D web applications. Several of the team members also collaborate in the development of European structural regulations, Eurocode 3 (design of steel structures) and 5 (design of timber structures).

The analysis and design of steel and timber joints (simple, rigid and semi-rigid) constitute an essential aspect of the global design of these types of structures. Their characterization is currently based on the component method and/or semi-empirical methods.

As a consequence of the previous research carried out in the research group, it has been found that the component method has serious limitations when modelling 3D and complex 2D joints, since it does not capture the interactions among the individual components. On the other hand,

the semi-empirical methods lack both generality and accuracy.

The technology based on advanced metamodels and databases will result in an entirely new way of modeling steel and timber connections. It is envisioned that this new technique will be much more general, reliable and accurate than the currently available component and semi-empirical methods.

The objectives of this research project can be summarized as follows:

- Develop advanced finite elements based on deformation modes and specialized extrapolations algorithms that will allow the complete characterization (stiffness and resistance) of 2D joints without the need for the component or semi-empirical methods: metamodels. These metamodels can be added to structural analysis programs in a direct way thus facilitating the work of the designer.

- Offer the structural profession a much more efficient and sustainable way of designing these joints.

The research group is looking for a PhD (or equivalent) researcher interested in participating in these activities development.

Official deadline for the call: 12 September 2018
Deadline for expressions of interest: 15 June 2018
Anticipated duration of the project: One or two years.

Stage of Development

Proposal under development

Keywords

Technology

01003003	Artificial Intelligence (AI)
02006001	Materials, components and systems for construction
02006006	Construction engineering (design, simulation)
02007008	Iron and Steel, Steelworks
07002005	Wood Products

Market

02007016	Artificial intelligence related software
02007020	Artificial intelligence programming aids
09003001	Engineering services
09007001	Construction companies

NACE

M.72.1.1	Research and experimental development on biotechnology
M.72.1.9	Other research and experimental development on natural sciences and engineering

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

- Type of partner sought:
Researcher with a PhD degree or equivalent research experience in the field of the project. She/he should not have resided of carried out the main activity in Spain for more than 12 months in the last 3 years before the 12th of September of 2018.

- Specific area of activity of the partner:
Design techniques for structural analysis, including joints.

- Task to be performed:
Develop the activities of the research project for 1-2 years.

- EU / International project experience:
Desired but not compulsory.

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Marie Sklodowska-Curie Actions

Call title and identifier

H2020-MSCA-IF-2018

Coordinator Required

No

Deadline for EOI

07 Jul 2018

Deadline for Call

11 Mar 2019

Attachments

Profile Status: Published

Research & Development Request

H2020 / MSCA / Individual Fellowships: researcher (MD or PHD) in biomedicine / biotechnology with technical skills for the development of a mini mobile laboratory to perform toxicological testing of substances, chemicals, ingredients, etc. on site

Summary

A small German precision engineering company seeks a researcher to be funded by HORIZON 2020 – MSCA / "Society and Enterprise Panel". The objective of the innovation project is to develop a mobile mini-laboratory for toxicology testing of biological substances, chemicals as well as ingredients of cosmetics and pharmaceuticals on human samples. Applicants must hold a MD or PhD in biomedicine / biotechnology and have technical skills related to device development and tool building.

Creation Date	23 February 2018
Last Update	15 June 2018
Expiration Date	13 July 2018
Reference	RDDE20180220001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/a4413c24-2cc5-447f-bd0b-b2456806ed26

Details

Description

The REACH Regulation requires all chemicals and substances to be tested with regard to their hazard potential to humans, animals and the environment. Many industrial sectors are affected by this regulation e.g. cosmetics, nutritional supplements, functional food, medicine, detergents, cleaning agents, etc..
Currently test methods are predominantly based on comparative models of animal experiments with mice and rats implicating serious ethical issues these days. Nevertheless, recent research has generated a number of animal-free test methods. But costs and time effort are high because they still need to be performed in laboratories with the respective technical equipment and trained staff. This is a big disadvantage especially for smaller innovative companies with fast product development cycles.
A German company, specialised in optical instruments, precision mechanics, process engineering and OEM (Original Equipment Manufacturer) development is planning to recruit a researcher for respective R&D project in order to address the following main problems:

1st: ethical issues as well as limited explication and transferability of animal tests to human applications
2nd: time and cost intensive laboratory test procedures
The objective of this project is to develop an effective, autarkic, mobile mini-laboratory in order to perform toxicity test on site, without relying on animal experiments and the need for special permissions.
Based on three already existing technical components/solutions a mobile device will be developed, which allows toxicity testing of any substance on chicken embryos (embryo toxicity testing for pregnant women) or human tissue samples (e.g. skin).
The three components are:
1st: optical unit for visualization and recording of the toxicity test progress and results (cell/tissue reactions to specific substances varying in terms of concentration, time of exposure, apoptosis, morphology etc.)
2nd: small climatised sterile test room (box/container with dimensions of around 500x500x500 mm)
3rd: handling technique/optimal test procedure inside the climatised test room (object holder, reaction vessel, test samples/substances to be tested as well as a special positioning system for placing the optical system above the test objects inside the climatised room)
The following working steps and the respective involvement of the researcher are envisaged in the project:
1. Establishing the theoretical basis for the implementation of the proposed variants of the toxicological investigation methods on a technological platform
2. Determination of the starting point for toxicological investigations with regard to comparative studies in animal experiments
3. Comparison of the mouse model against the chicken embryo model and the model with human samples e.g. skin.
4. Research on legal issues regarding testing and testing methods
5. Investigating current application of legislation in different markets and application areas
6. Clarification of the application in terms of toxic impact, hazard potential, differences in risk potential and susceptibility
7. Referencing a chicken embryo model test procedure and a skin model procedure and establishing the required conditions with respect to: conditioning/climatising; sterility; sample size
8. Referencing the optical properties with regard to the required evaluation (resolution, magnification, wavelengths etc.)
9. Assessment of model suitability
10. Conception of a basic technical system for further development work in this field
11. Creation of a marketing concept and definition of the target markets and their needs

SME seeks researcher with an academic degree in biology, biochemistry, biotechnology or bioprocess engineering for a MARIE SKŁODOWSKA-CURIE-Action (Call: H2020-MSCA-IF-2018-SE). Submission deadline is 12th September 2018. Placement is planned for a 24 months funding period with the goal of permanent employment.
Deadline for EOIs: 30th June 2018.

Advantages and Innovations

The envisaged solution will allow safe and reliable toxicology evaluation which is a big advantage compared to the animal based model of probability and its limited explication and transferability to human conditions.
The final mini-lab solution will be mobile and thus offering a big competitive advantage to small innovative companies with fast product development cycles.
Toxicological tests with the new system can be performed by non-academic staff and without complex infrastructure facilities.

Technical Specification or Expertise Sought

MD or PhD in biomedicine / biotechnology with a technical affinity, as the project involves device development, functionalising and testing.

Stage of Development

Under development/lab tested

Keywords

Technology

06002001	Biochemistry / Biophysics
06002010	Toxicology
08002001	Detection and Analysis methods
08002002	Food Microbiology / Toxicology / Quality Control
10001002	Assessment of Environmental Risk and Impact

Market

03007003	Other analytical and scientific instrumentation
04012	Toxicology
05009001	Food & feed ingredients

NACE

C.28.9.9	Manufacture of other special-purpose machinery n.e.c.

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : Yes

Dissemination

Send to Sector Group

Bio Chem Tech

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
German

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

Researcher with an academic degree / university graduate / MD or PHD in the field of biology, biochemistry, biotechnology, bioprocess engineering;
Special technical expertise is not required, but interest in a new field of work coupled with a technical affinity is of great advantage. The interested researcher will apply her/his biotech expertise while working with technical equipment and devices, testing them and adjusting their properties and functions. Important is the ambition to build up a new business field with high potential for the researcher's professional future.

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Marie Sklodowska-Curie Actions

Call title and identifier

H2020-MSCA-IF-2018 (MSCA-IF-EF-SE Society and Enterprise panel)

Coordinator Required

No

Deadline for EOI

13 Jul 2018

Deadline for Call

12 Sep 2018

Project Duration

104 week(s)

Weblink to the Call

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-if-2018.html

Attachments

Profile Status: Published

Research & Development Request

H2020-MSCA-IF-2018: Researcher needed for analysing the link between Alzheimer's disease and obesity

Summary

A research group of a university located in the north of Spain is looking for researchers in the area of neurosciences and/or obesity and metabolism within the framework of the Marie Skłodowska-Curie Actions - Individual Fellowships (H2020-MSCA-IF-2018) programme. The researcher will have to study the plausible link between metabolic disturbances (obesity and insulin resistance) and Alzheimer's disease.

Creation Date	24 May 2018
Last Update	07 June 2018
Expiration Date	07 July 2018
Reference	RDES20180524002
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/f9b59ff1-c215-4c4d-aa0f-929bbd7802c5

Details

Description

A university is part of a cluster with a tight collaboration of excellent research centers and a university clinic. The cluster provides access to facilities and opportunities for collaborations. A research group related to pharmacology and toxicology has a long and comprehensive experience in animal behaviour and they are working in the identification, molecular understanding and therapeutic targeting of risk factors that could precipitate the onset and progression of Alzheimer's disease (AD).

Although in the past their research focused in stress as risk factor for AD, their investigation derived the group's scientific interest towards the study of the plausible link between metabolic disturbances (obesity and insulin resistance) and AD. Therefore nowadays the research group tries to define the role of obesity as well as neuronal insulin action and resistance in control of memory formation, the progression of neurodegenerative diseases including AD and a whole range of age-related pathologies. Moreover, they try to elucidate the possible role of inflammatory pathways as the link between obesity and AD.

The university is looking for a PhD (or equivalent) researcher interested in developing these research activities. The researcher will have access to extensive previous experience and analysis techniques that will enrich her/his research background. The university offers excellent working conditions, financial support for research and international networks.

Official deadline for the call: 12 September 2018

Deadline for expressions of interest: 15 June 2018
Anticipated duration of the project: One or two years.

Keywords

Technology

06001010	Gerontology and Geriatrics
06001014	Neurology, Brain Research
06001016	Physiology
06002002	Cellular and Molecular Biology

Market

05005003	Endocrinology
05005005	Geriatrics

NACE

M.72.1.1	Research and experimental development on biotechnology
M.72.1.9	Other research and experimental development on natural sciences and engineering

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

- Type of partner sought:
Researcher with a PhD degree or equivalent research experience in the field of the project. She/he should not have resided of carried out the main activity in Spain for more than 12 months in the last 3 years before the 12th of September of 2018.

- Specific area of activity of the partner:
Neurosciences and/or obesity and metabolism.

- Task to be performed:
Develop the activities of the research project for 1-2 years.

- EU / International project experience:
Desired but not compulsory.

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Marie Sklodowska-Curie Actions

Call title and identifier

H2020-MSCA-IF-2018

Coordinator Required

No

Deadline for EOI

07 Jul 2018

Deadline for Call

11 Mar 2019

Attachments