

Partnering Opportunity

Profile status : Published

Research Development Request

H2020-SC1-PHE-CORONAVIRUS-2020-2D: Hospital or end-user with the capacity of handling biological samples infected with the SARS-Cov2 virus

Summary

A Spanish company is leading a proposal based on the final development and validation of a filter for the detection of the SARS-Cov2 virus by particle size. The consortia searches a partner playing a role of end-user where the final validation of the system will be done using real biological samples (blood) infected with the virus. It requires the critical biosafety permissions (up to level 3). The proposal will be presented to the call H2020-SC1-PHE-CORONAVIRUS-2020-2D.

Creation Date	27 May 2020
Last Update	28 May 2020
Expiration Date	06 June 2020
Reference	RDES20200527001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/2f827c65-1090-4843-9988-7d22a53addaf

Details

Description

The quick and cost-effective detection of the corona-virus is something vital for the good control of the epidemic. Most of the current techniques for detection are based on biological tests and their results are not very promising with non-detection rates.

The proposed project includes a new electric filtering system for virus based on the size and shape of the virus. Very promising results have been already achieved with other virus during the last years and now, it is the perfect

time to extrapolate the results to the corona-virus.

The project will have a first part of technical development using particles with similar sizes than the target virus and a second phase for validation in a hospital (required partner) with real samples infected with the virus. No special expertise is required beyond the capacity of handling infected samples. It entails the need of the bio-safety procedures up to level 3.

The tentative duration of the project is 2 years and the validation part will take place during the last 6 months.

The funding program is H2020-SC1-PHE-CORONAVIRUS-2020-2D with a deadline in June, 11, 2020. Within H2020 program.

Deadline for expression of interest: June, 5, 2020.

Advantages and innovations

The potential impact of the innovation is huge: a new, high-effective and cheap solution for the virus detection will disrupt the market.

Keywords

Technology

06001002	Clinical Research, Trials
06001005	Diagnostics, Diagnosis
06001012	Medical Research
06001018	Virus, Virology/Antibiotics/Bacteriology
06002008	Microbiology

Market

04005	Biochemistry / Biophysics
04009	In vitro Testing, Trials
04010	Microbiology
05001001	Diagnostic services
05001002	In-vitro diagnostics

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

Zebrowski Pawel

Phone number

+48 91 449 43 64

Email

pzebrowski@zut.edu.pl

Open for EOI: **Yes**

Dissemination

Relevant sector groups

Healthcare

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

The required partner can be a hospital or other company with the capacity of handling real biological samples infected with the virus.

The activities planned for the partner in the project is the validation of the instrument developed in the project in the premises of the partner. The instrument will be installed in the premises and people from the hospital will be trained to use it.

The hospital will also participate in the development of the validation plan and they will execute it in collaboration with the partners.

The hospital will also participate in the interpretation of the results.

Type and Size of Partner Sought

>500 MNE,251-500,>500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

Second call for an Expression of Interest for innovative and rapid health-related approaches to respond to COVID-19 and to deliver quick results for society for a higher level of preparedness of health systems

Call ID: H2020-SC1-PHE-CORONAVI

Coordinator required

No

Deadline for EOI

06 Jun 2020

Deadline of the Call

11 Jun 2020

Weblink to the call

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/sc1-phe-coronavirus-2020-2d>

Attachments
