Partner Search Form
Horizon 2020
Health, demographic change and wellbeing

Date 2.6.2020 Deadline … …

CONTACT

Organisation	CHU-Nantes	**Department**	
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City	Nantes	**Website**	
Country	France		

Organisation type

Research organisation type	☐ Research Organisation ☐ University ☐ Company ☒ Other (University Hospital)	**Is your company a Small and Medium Sized Enterprise (SME*)?** **Number of employees:**	☐ YES ☒ NO

Your enterprise is an SME if:
- it is engaged in **economic activity**
- it has **less than 250 employees**
- it has either an **annual turnover not exceeding €50M**, **or an balance sheet total not exceeding €43M**
- it is **autonomous**

For the definition of SMEs, look at: http://ec.europa.eu/growth/smes/business-friendly-environment/sme-definition_en

Short introduction of key areas of institute's research:
For more than 10 years, EA3826 laboratory's team has been studying the mechanisms of postcritical immunosuppression and its impact on hospital acquired pneumonia (HAP). Nantes University Hospital (CHU-Nantes) plans to contribute the following expertise and assets:

- preexisting cohorts and biocollections developed by CHU-Nantes, including a biological cohort of more than 500 critically ill patients at risk of acute respiratory distress syndrome has been constituted. Nasopharyngeal swab and plasma samples are stored in the Nantes University Hospital biobank.
- Collections of samples and clinical data of patients with COVID-19 admitted to CHU-Nantes

Former participation in an FP European project?	☒ YES (H2020 project) ☐ NO
Project title / Acronym:	Host-targeted Approaches for the Prevention and the treatment of Hospital-Acquired Pneumonia (HAP2)
Activities performed:	This network enables randomized clinical trials evaluating immunotherapies in pneumonia.

Expertise / Commitment offered

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Description of your expertise:	We are offering ability to investigate host-pathogens interactions in the lungs of critical patients through : 1) Collections of samples and clinical data of critical-ill patients 2) Study of virome and respiratory microbiome alterations in patients with COVID-19 pneumonia (monitoring of viral, viral metagenomics, virome, metabolome) 3) High-dimensional characterization of immune responses during COVID-19 pneumonia (Real-time high-dimensional monitoring of circulating immune cells, serum cytokine/chemokine profiles, comprehensive gene expression profiling)
Keywords specifying your expertise:	Cohort, biological samples, clinical data, biomarker, virome, microbiome, immunity, host-pathogens interactions
Commitment offered:	☒ Research ☐ Demonstration ☐ Training ☐ Technology ☐ Dissemination ☐ Other:

Interested in participation in project types:	☒ Research & Innovation Action	☐ Innovation Action	☐ SME Instrument

Work Programme research areas: indicate your interest

SC1-PHE-CORONAVIRUS-2020-2

Call topic(s):
SC1-PHE-CORONAVIRUS-2020-2D "Pan-European COVID-19 cohorts" topic
SC1-PHE-CORONAVIRUS-2020-2E "Networking of existing EU and international cohorts of relevance to COVID-19" topic

Do you have other partners for this topic (which partners/country)?	Pr. Régis Josien, CRTI – UMR1064, Nantes University, France : immunophenotyping Dr Jérémie Poschmann, CRTI – UMR1064, Nantes University, France : bioinformatic analyses

Profile of partner sought

Role	☐ technology development	☐ research	☐ training
	☐ dissemination	☐ demonstration	☐ other _____
Country /region	☐		
Expertise required			

I agree with the publication of this document and my contact data: ☒ YES ☐ NO