

Partner Search Form
Horizon 2020
Health, demographic change and wellbeing



Date

Deadline

CONTACT

Organisation	Centre de Recherche d'Immunologie et d'Hématologie	Department	INSERM U1109
Contact person	Alina Holcroft	Email	aholcroft@unistra.fr
City	Strasbourg	Website	http://www.ihu-pacific.eu/
Country	France		

Organisation type

Research organisation type	<input checked="" type="checkbox"/> Research Organisation	Is your company a Small and Medium Sized Enterprise (SME*)? Number of employees:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	<input checked="" type="checkbox"/> University		
	<input type="checkbox"/> Company		
	<input type="checkbox"/> Other		

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:

The team can bring into the collaboration:

- expertise in –omics data analysis
- genomics data with associated curated clinical data in the field of autoimmune/inflammatory diseases
- clinical expertise and access to patient's samples and data in the field of autoimmune/inflammatory diseases

Former participation in
an FP European
project?

YES NO

Project title / Acronym:

« TRIDIAG – Nouveaux outils diagnostiques en transplantation », Interreg Rhin Supérieur

Activities performed:

The aim of this cross-border project is to validate technologically and clinically two diagnostic tests based on MIC molecules:
- a molecular test to determine the compatibility of donors/recipients at the DNA level during bone marrow transplants
- a serological test to measure the amount of anti-MIC antibodies in kidney transplant patients.

Expertise / Commitment offered

Description of your
expertise:

Our Molecular ImmunoRheumatology team has more than 100 staff including researchers, clinicians, engineers and technicians. The team's main focus is the genomics of autoimmune and autoinflammatory diseases. We have an in-house Next-Generation Sequencing facility and have sequenced close to 1000 exomes so far (e.g. (Carapito, Paul et al. 2014; Carapito, Isidor et al. 2015; Carapito, Paul et al. 2015; Carapito, Goldenberg et al. 2016; Carapito, Konantz et al. 2017)). We are also experienced in multi-omics stratification of patients including genomics, transcriptomics and proteomics (Carapito, Carapito et al. 2018; Fornecker, Muller et al. 2019).

Our team is heading the national Laboratory of Excellence TRANSPLANTEX dedicated to genomics of Transplantation (10 members, academic and private, 100 staff), a local hospital-university federation OMICARE dedicated to multi-omics stratification of autoimmune patients (staff 500) and a patient-centered institute for immune-mediated inflammatory diseases (<http://www.ihu-pacific.eu/>, staff 200).

The team has a strong expertise in multi-layer omics data analysis and integration; with a focus on the extraction of clinically relevant and actionable data for personalized treatment (see recent report in ARD: (Carapito, Carapito et al. 2018)). For such projects, expert mathematicians and statisticians of the team can bring in their expertise in the field (Vallat, Kemper et al. 2013; Jung, Bertrand et al. 2014).

Clinicians from the team are heading one of the four national reference centers for rare autoimmune diseases (<http://www.chru-strasbourg.fr/Les-centres-de-reference/Maladies-auto-immunes->

[rares](#)) and are member of the two European Reference Networks (ERN) RITA and ReCONNET. In 2016, the clinical departments associated to the team totaled 7483 day of hospitalizations and well over 10000 outpatient visits. About 900 new patients/year are seen by these same clinical departments with a total patient population of 8000 (active file). In addition, several cohorts are managed by team members with 20000 biological samples already biobanked. The diseases of interest of the team include: Rheumatoid Arthritis (RA), Spondylarthropathies (SpA), Systemic Lupus Erythematosus (SLE), primary Sjögren's syndrome (pSS), Systemic Sclerosis (SSc), Vasculitis (VS), Inflammatory Myopathies (IM), (Auto)immune Nephropathies (AN) and Multiple Sclerosis/Demyelinating diseases (MS).

Keywords specifying your expertise:

Genomics, autoimmunes and inflammatory diseases, -omics data, clinical expertise, multi-omics stratification, transcriptomic, proteomics, personalized medicine

Commitment offered:

Research Demonstration Training
 Technology Dissemination Other:

Interested in participation in project types:

<input checked="" type="checkbox"/> Research & Innovation Action	<input type="checkbox"/> Innovation Action	<input type="checkbox"/> SME Instrument
--	--	---

Work Programme research areas: indicate your interest

Call – Better Health and care, economic growth and sustainable health systems
Call – Trusted digital solutions and Cybersecurity in Health and Care

Call topic(s): We are looking for a consortium interested in the SC1-BHC-06-2020 call on Digital diagnostics – developing tools for supporting clinical decisions by integrating various diagnostic data and in the DT-TDS-04-2020: AI for Genomics and Personalised Medicine call.
We are also looking for any other consortium to other calls looking for our expertise.

Do you have other partners for this topic (which partners/country)?

We have a large transnational partnership.

Profile of partner sought

Partner Search Form
Horizon 2020
Health, demographic change and wellbeing



Role	<input checked="" type="checkbox"/> technology development	<input checked="" type="checkbox"/> research	<input type="checkbox"/> training
	<input checked="" type="checkbox"/> dissemination	<input checked="" type="checkbox"/> demonstration	<input checked="" type="checkbox"/> other _coordination_
Country /region	<input type="checkbox"/> All countries		
Expertise required	We are looking to join a consortium of the Working programme which can complete our expertise and set-up a complex project for a H2020 call.		

I agree with the publication of my contact data: YES NO