

Date

Deadline

CONTACT

Organisation	Research and Innovation in Health (i3S) of the University of Porto	Department	CANCER / Glycobiology in Cancer
Contact person	Celso Reis	Email	celsor@i3s.up.pt
City	Porto	Website	https://www.i3s.up.pt/research-group.php?groupid=26
Country	Portugal		

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"/> X NO
	<input 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:

Former participation in an FP European project?	<input checked="" type="checkbox"/> X YES <input type="checkbox"/> NO
Project title / Acronym:	Various projects from 7FP and H2020
Activities performed:	Sample analysis, Genetic, Protein; Glycan studies. Serological marks. Sample form Cancer patient analysis. Proteomics, Glycoproteomics, Glycomics; Biomarker validation.

Expertise / Commitment offered

Description of your expertise:

Molecular and Cellular Biology, Glycobiology, Metabolism and others. This program intends to identify risk factors for cell and tissue transformation, as well as the molecular and cellular mechanisms relevant for cancer development and progression.

The Glycobiology in Cancer group has expertise on the role of glycosylation in cancer aiming at the understanding of the glycosylation-mediated molecular mechanisms controlling initiation, growth and progression of cancer. This provides the basis for the understanding of cancer therapy resistance and allows the development and validation of new diagnostic and therapeutic strategies in Oncology. These include the potential of use and validation of cell surface glycans in the modulation of immune response and the tumor microenvironment in the context of their therapeutic potential against cancer.

We have large expertise in cancer patient samples (tissue, plasma, serum, EVs) analysis and validation in the pre-clinical and clinical setting. Patient stratification, Tissue biomarkers Demonstration and validation., Serum Biomarker Demonstration and validation (Preclinical and Clinical).

Glycoproteomics, Proteomics, Glycomics analysis.

Models for pre-clinical studies, analysis and validation: genetic engineered cell models, Cancer Organoids (PDO), animal models.

Keywords specifying your expertise:

Cancer patient samples analysis and validation.
 Patient stratification, Tissue biomarkers Demonstration and validation.
 Serum Biomarker Demonstration and validation.
 Cancer Organoids (PDO), animal models.
 Glycomics, Glycoproteomics, Genomics, Transcriptomics; Proteomics.
 Genetic Engineering; Protein Glycosylation.

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 checked="" type="checkbox"/> EIC Pathfinder
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Work Programme research areas: indicate your interest

CANCER

Call topic(s):

HORIZON-MISS-2021-CANCER-02-01: Develop new methods and technologies for cancer screening and early detection.

HORIZON-MISS-2021-CANCER-02-03: Better understanding of the impact of risk factors and health determinants on the development and progression of cancer.

Partner Search Form
Horizon Europe
Health



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

We can propose potential partners depending on the project and the needs of the consortium.

Profile of partner sought

Role

<input checked="" type="checkbox"/> technology development	<input checked="" type="checkbox"/> research	<input checked="" type="checkbox"/> training
<input type="checkbox"/> dissemination	<input checked="" type="checkbox"/> demonstration	<input type="checkbox"/> other _____

Country /region

ANY Country/region

Expertise required

We are willing to join a consortium addressing the CANCER MISSION Call topics:

HORIZON-MISS-2021-CANCER-02-01: Develop new methods and technologies for cancer screening and early detection.

HORIZON-MISS-2021-CANCER-02-03: Better understanding of the impact of risk factors and health determinants on the development and progression of cancer

I agree with the publication of my contact data:

YES

NO