

Date 05.06.2026

Deadline 13.04.2027

**CONTACT**

|                |                                                                                                                       |            |                                                                                                            |
|----------------|-----------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------|
| Organisation   | Uniwersytecki Szpital<br>Kliniczny nr 1 w Lublinie<br>(USK1) / University Clinical<br>Hospital No. 1 in Lublin (USK1) | Department | Project Department<br><br><i>Department of Hemato-<br/>oncology and Bone Marrow<br/>Transplantation</i>    |
| Contact person | Agnieszka Sim<br>Aneta Szudy-Szczyrek                                                                                 | Email      | <a href="mailto:asim@usk1.pl">asim@usk1.pl</a> ;<br><a href="mailto:projekty@usk1.pl">projekty@usk1.pl</a> |
| City           | Lublin                                                                                                                | Website    | <a href="http://www.usk1.pl">www.usk1.pl</a>                                                               |
| Country        | Poland                                                                                                                |            |                                                                                                            |

**Organisation type**

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

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](http://ec.europa.eu/growth/smes/business-friendly-environment/sme-definition_en)

**Short introduction of key areas of research:**

The University Clinical Hospital No. 1 in Lublin (USK1), in particular the Department of Hemato-Oncology and Bone Marrow Transplantation, is a clinical and research centre specialising in the diagnosis and treatment of malignant haematological diseases, including leukaemias, lymphomas, and multiple myeloma, as well as in autologous and allogeneic haematopoietic stem cell transplantation.

The Department conducts clinical research focused on improving diagnostic accuracy, risk stratification, and treatment outcomes in patients with haematological malignancies. A key area of interest is the implementation and evaluation of advanced diagnostic imaging methods, including low-dose whole-body computed tomography, for the early detection of disease progression and complications in high-risk patients presenting with alarm symptoms.

Research activities include the integration of multimodal clinical data (imaging, laboratory, molecular and clinical parameters) to support precision medicine approaches and optimise therapeutic decision-making in complex haematological cases.

The Department collaborates closely with academic partners, contributing clinical expertise and patient cohorts for multi-centre research initiatives aimed at improving personalised cancer care.

**Former participation in an FP European project?**

☐ YES ☒ NO

**Project title / Acronym:**

**Activities performed:**

**Expertise / Commitment offered**

**Description of your expertise:**

The University Clinical Hospital No. 1 in Lublin (USK1), Department of Hemato-Oncology and Bone Marrow Transplantation, has clinical expertise in the diagnosis, treatment, and long-term monitoring of patients with malignant haematological diseases, including acute and chronic leukaemias, lymphomas, and multiple myeloma.

The team has experience in the use and clinical application of computed tomography (CT) in diagnostic pathways for patients with suspected or confirmed malignancies. Clinical practice is supported by advanced diagnostic pathways integrating laboratory, imaging, and clinical data for

comprehensive patient assessment.

A key area of expertise includes the use and evaluation of modern imaging techniques, including low-dose whole-body computed tomography, for the detection of disease progression, complications, and early signs of relapse in high-risk haematology patients.

Keywords specifying  
your expertise:

Hematological malignancies; Hemato-oncology; Bone marrow transplantation; Low-dose whole-body CT; Early cancer detection; Cancer diagnostics; Disease relapse detection; Precision medicine; Clinical imaging; Medical imaging; Multimodal data integration; Clinical decision support; Virtual Human Twin; Digital health; Data-driven modelling; Patient stratification; Translational research; Oncology research; Real-world data;

Commitment offered:

☒ Research ☐ Demonstration ☒ Training  
☐ Technology ☐ Dissemination ☐ Other:

Interested in  
participation in  
project types:

☒ Research & Innovation Action ☒ Innovation Action ☐ EIC Pathfinder

Work Programme research areas: indicate your interest

Health

Call topic(s):

***HORIZON-MISS-2026-02-CANCER-01 Virtual Human Twin (VHT) Models for Cancer Research***

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

No, we do not have any partners yet.

Profile of partner sought

Role

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

**Partner Search Form**  
**Horizon Europe**  
**Health**



**Country /region**

☒ Any

**Expertise required**

partners experienced in Horizon Europe projects, cancer research, and Virtual Human Twin (VHT) development. Expertise in AI-based clinical modelling, medical imaging, and multimodal data integration is required, along with experience in multicentre clinical studies and EU-funded research