

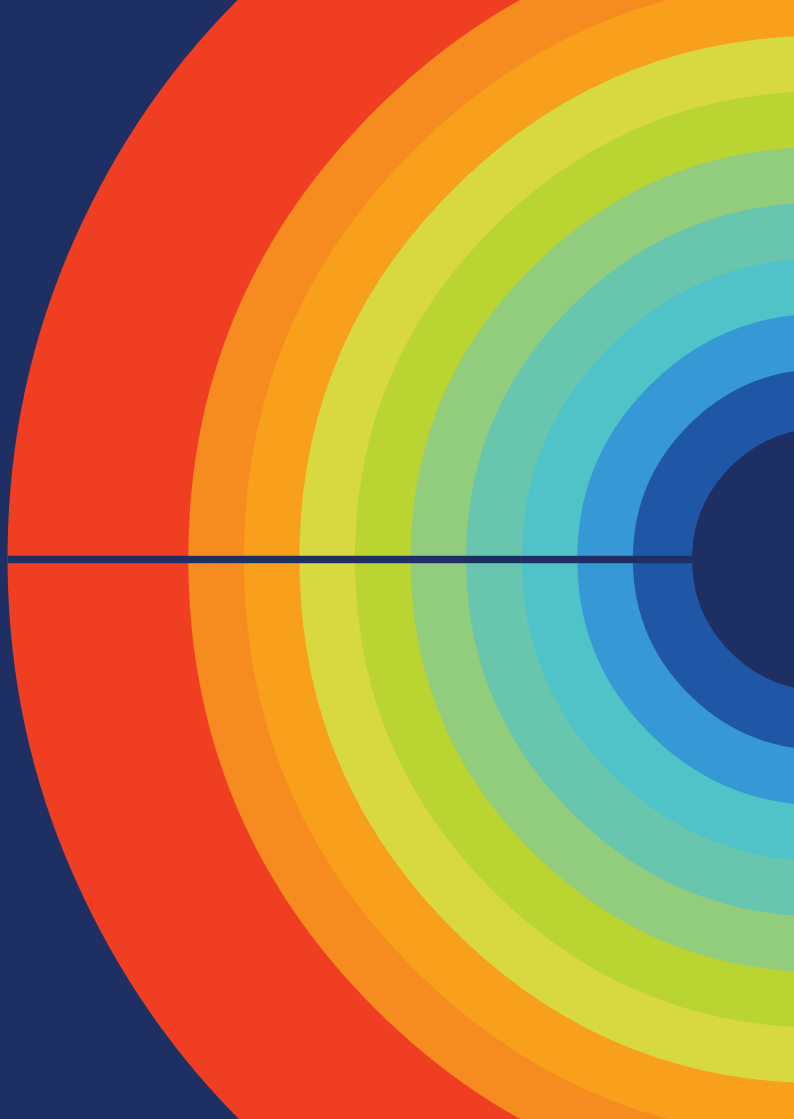
PreciseOnco

Combining spectral imaging, robotics, AI, and advanced therapies to deliver safer, faster, and more precise interventional oncology

PreciseOnco will redefine how clinicians plan, guide, and assess minimally invasive cancer treatments – ultimately improving outcomes for 2.7 million Europeans diagnosed with cancer annually.

The project focuses on cancers of the:

- Liver
- Kidney
- Lung
- Lymph nodes
- Musculoskeletal system



THE NEXT LEAP IN CANCER CARE: COMBINING MULTI-MODALITY AND SPECTRAL IMAGING, ADVANCED THERAPIES, ROBOTICS AND AI TO ENABLE STANDARDIZED, PRECISE INTERVENTIONAL ONCOLOGY TREATMENTS FOR CANCER PATIENTS

OUR INNOVATIONS

Spectral Imaging for Better Treatment Decisions

Spectral CT/CBCT and AI deliver clearer tumor visibility and fewer artefacts.

Robotic Assistance for Increased Precision

Sub millimetric needle placement for improved treatment targeting.

Advanced Therapies

Improved guidance for thermal ablation, electrochemotherapy, and embolisation.

Real Time Feedback

New spectral biomarkers and thermometry for immediate treatment assessment.

Smarter, More Efficient Care Pathways

Economic analysis and guidance to reduce avoidable follow-ups and lower costs.

CLINICAL VALIDATION

PreciseOnco's innovations are being tested in five real world clinical studies ensuring that all technologies are clinically relevant, safe, and ready for adoption.

VISTA – Spectral CBCT for improved ablation and embolization

SPOT ON – Spectral CT for optimized tumor targeting and treatment planning

HORA EST HCC 2 – Combined ablation and TACE in one session

SPECTRA L – Spectral CT for TACE response prediction

LASER – Spectral biomarkers across multiple cancer types and interventional techniques

Funded by the European Union (101252582). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or Innovative Health Initiative Joint Undertaking. Neither the European Union nor the granting authority can be held responsible for them.

The project is supported by the Innovative Health Initiative and its members.



FACTS AND FIGURES

Coordinator: Philips Medical Systems (NL)

Consortium: Philips France (FR), Philips GmbH (DE), Philips Belgium Commercial (BE), University Medical Center Utrecht (NL), Leiden University Medical Center (NL), Assistance Publique-Hôpitaux de Paris (FR), Hospices Civils de Lyon (FR), University Hospital Cologne (DE), Quantum Surgical (FR), IGEA Spa (IT), European Institute for Biomedical Imaging Research (AT), Cardiovascular and Interventional Radiological Society of Europe (AT)

Runtime: January 2026-December 2030

Total project Budget: € 23.9 million

EU Funding: € 14.9 million

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