



Early Phase Oncology & Hematology Trial Center

With over **40 years of experience** in early clinical trials, we are committed to advancing drug development and improving outcomes for patients with cancer.

Amsterdam UMC | Cancer Center Amsterdam is equipped with **state-of-the art facilities to ensure the highest standards in clinical research**, including:

- PET-imaging with radiolabeled IMP and on-site GMP tracer production
- Cell therapy FIH clinical trials with local CAR-T production
- Advanced imaging facilities such as LAFOV (whole-body) PET and 7T MRI
- Molecular pathology, including TSO500 panel
- Intensive care & cardiac care unit
- PK/PD collection & analysis
- Biobanking of biofluids and tissues across indications

Our team comprises leading hematologists, medical and pulmonary oncologists, clinical staff and researchers dedicated to innovation and excellence

- National expertise and referral center for patients with
 - AML, CLL, MDS, NHL and multiple myeloma
 - Esophageal/gastric, hepatobiliary, colorectal and gynaecological cancers; melanoma, HNSCC, NSCLC, and glioma
- Our dedicated and highly experienced trial offices manage > 80 active phase I/II trials, ensuring rigorous and efficient study conduct.
- Certified processes in place for privacy and data security (ISO 27001, NEN 7510).

We engage in **innovative partnerships** with leading pharmaceutical companies and research institutions to drive development and access to the latest advancements in cancer therapy.

We offer **comprehensive support for patients and their families**, ensuring compassionate and patient-centric care.





Unique Facilities and Services

Providing Comprehensive Support for Innovative Cancer Research



Amsterdam UMC Imaging Center

- **State-of-the-Art Technology:** We host one of the world's most advanced tracer development and production facilities for novel tracers, radiolabeled drugs and biologicals such as antibodies and cells. Molecular imaging technologies allow for visual and quantitative analysis of target expression as well as biodistribution and tumor accumulation of novel compounds, including their pharmacodynamic monitoring.
- **Specialized Services:** Advanced preclinical and clinical imaging equipment, including LAFOV PET-CT, SPECT-CT, MR 7T; GMP-certified tracer production lab; Extensive pharmacology facilities, four cyclotrons.

Cellular Therapy at Amsterdam UMC

- **Experienced Team:** Amsterdam UMC has worldwide been at the forefront pioneering the development of cell therapy trials, eg with CAR-T. Currently, over 20 studies have been executed for both hematological and solid tumor indications. The team consists of >75 staff members including clinical cell therapy experts, specialized research nurses, laboratory staff, trial coordinators and datamanagers.
- **CAR-T research and production:** Capabilities include all required laboratory assessments, GMP storage, handling as well as full capabilities for translational, mechanistic research. We have successfully received and administered cell therapy coming from either academic or commercial manufacturing facilities.

Translational Research Labs and Core Facilities

- **Comprehensive Analytical Capabilities:** A wide range of analyses to support drug development and biomarker discovery can be provided, including immune monitoring, MS-based (phospho)proteomics and (functional) genomics.
- **ADORE:** Our medical oncology and hematology translational labs & facilities are shared with neuroscience, bringing top-level scientists from both fields together at the brand new Research & Diagnostics Centre ADORE.

We look forward to meeting you!

- **Alliance Management:** Our dedicated alliance team facilitates new partnerships and collaborations. Please contact us at:
 - Email: m.vandertol@amsterdamumc.nl or t.f.smets@amsterdamumc.nl
 - More info on: [Amsterdam UMC - Cancer Center Amsterdam](https://www.imagingcenteramsterdam.nl) | www.imagingcenteramsterdam.nl | www.amsterdamhematology.org