

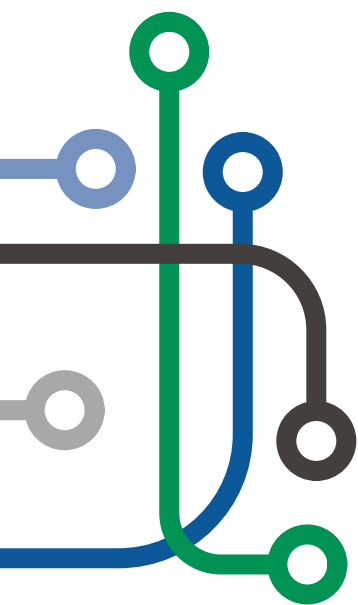


SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA

Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori"
Istituto di Ricovero e Cura a Carattere Scientifico

ISTITUTO
ROMAGNOLO
PER LO STUDIO
DEI TUMORI
DINO AMADORI

TECHNOLOGY ASSETS & SERVICES



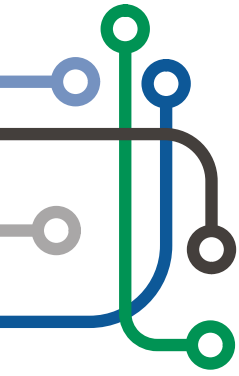
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RADIOPHARMACY

The **Radiopharmaceutical Therapy Factory (RTF)** at IRST is an advanced technological hub that combines research, innovation, and clinical practice. It is a strategic and **unique infrastructure in the national landscape, and the second of its kind in Europe**, dedicated to the production and management of experimental radiopharmaceuticals for therapeutic use, fully compliant with the new European Regulation on Authorized Facilities.

Authorized in September 2024 as a **GMP Facility for the production of radiopharmaceuticals based on Lutetium-177 (Lu-177)**, the RTF is designed to ensure the highest standards of **quality, safety, and traceability** throughout the entire production cycle.

The Radiopharmacy serves as a hub of translational innovation, supporting:

- **multicenter clinical trials,**
- **European research projects,**
- **contract manufacturing activities.**

With a strong focus on technology transfer, the results of research are transformed into tangible therapeutic solutions, directly impacting the **improvement of cancer care.**

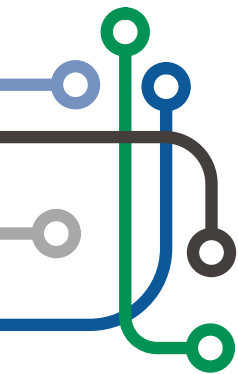
A distinctive feature of the RTF is its ability to integrate research, production, and clinical practice into a single virtuous process:

- **radiopharmaceutical design,**
- **GMP manufacturing,**
- **administration** in experimental studies and innovative treatments.

This integrated model accelerates and strengthens collaborations with institutions, universities, regulatory bodies, pharmaceutical companies, and patient associations.

In this way, the IRST Radiopharmacy stands as a **strategic center for precision medicine**, offering cancer patients targeted, safe, and effective therapies, while contributing to the **development of clinical and industrial research in Europe and worldwide.**





EQUIPMENT

- GMP clean rooms dedicated to the production of experimental radiopharmaceuticals.
- Shielded hot cells for the safe handling of therapeutic radioisotopes (e.g., Lutetium-177).
- Automated systems for the synthesis and dispensing of radiopharmaceuticals.
- Quality control equipment for chemical, physical, and microbiological analyses.
- Monitoring and traceability systems for batch management and regulatory compliance.
- Research and development laboratories dedicated to new radiolabeled molecules.

CONTACT

Headquarters

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Operating Office

Business Development Unit

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SERVICES

- GMP production of experimental radiopharmaceuticals for national and international clinical studies.
- Contract supply of therapeutic radiopharmaceuticals to clinical centers and research institutes.
- Support for multicenter studies, including the management and distribution of experimental radiopharmaceuticals.
- Participation in European projects and scientific collaborations with institutions, universities, regulatory agencies, and pharmaceutical companies.
- Technology transfer: enhancement of research results and their translation into clinical applications.
- Regulatory and scientific consulting in the field of RadioLigand Therapy (RLT).





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