The SIRIC develops and drives innovative research programs around three major themes with integrate such fundamental factors as translational, clinical and HSS dimensions:

**COLORECTAL CANCER: A COMPLETE CHAIN OF EXPERTISE**

Montpellier is home to a critical mass of internationally recognized physicians and scientists who collaborate across the full spectrum of colorectal cancer research, from basic biology to treatment and human and social sciences. Their objective is to develop new therapeutic strategies for CRC and a better individualization of patient care.

This research program stems from the robust expertise and internationally competitive research on colorectal cancer driven by Montpellier’s teams. Their ambition is to intensify interdisciplinary colorectal cancer research ranging from basic sciences through translational research to large-scale clinical trials to improve the clinical benefit of external and internal radiotherapy.

**RADIOBIOLOGY APPLIED TO ONCOLOGY: A LEADING PIONEER IN RADIOBIOLOGY**

This research program relies on an exceptional concentration in Montpellier of top-notch research groups in genome biology that confer to SIRIC consortium a leading position in France. Their objective is to optimize treatments and explore new strategies by translating fundamental work on molecular determinants of genome instability into preclinical or clinical applications.

**TUMOR ESCAPE AND DETERMINANTS OF GENOME INTEGRITY: A WORLD-CLASS SCIENTIFIC COMMUNITY**

This research program stems from the robust expertise and internationally competitive research on radiotherapy driven by Montpellier’s teams. Their ambition is to intensify interdisciplinary radiotherapy research ranging from basic sciences through translational research to large-scale clinical trials to improve the clinical benefit of external and internal radiotherapy.

- Interplay between cell cycle checkpoints and DNA replication, repair and recombination
- Impact of cell metabolism on genome integrity, with a focus on nucleotide biosynthesis and redox state
- Impact of epigenome modifications on DNA replication and repair

**CLINICIANS & RESEARCHERS**

JOIN THEIR FORCES TO TACKLE CANCER

Build a comprehensive network from basic research to its therapeutic applications

Create new opportunities for industrial partnerships

Develop advanced platforms for translational research

Boost international collaborations in cancer research

WWW.MONTPELLIER-CANCER.COM
SIRIC MONTPELLIER CANCER: ALL COMPONENTS TO TRANSFORM WORLD-CLASS CANCER RESEARCH INTO COMPREHENSIVE CARE

The SIRIC Montpellier Cancer acts as a driving force for optimal interactions of a network of clinicians and researchers toward an integrated approach to cancer research.

The SIRIC Montpellier Cancer federates 60 research teams associated with two University Hospitals and the most important academic science organisations (CNRS, Inserm and Universities of Montpellier).

A RECERTIFICATION IN RECOGNITION OF EXCELLENCE IN CANCER RESEARCH

Boosted by “Montpellier Health Capital” label and a world-class University awarded the national I-Site label, Montpellier is a leading European metropolis for health innovation.

In keeping with its reputation in the field of medicine, the city of Montpellier has become a point of reference in oncology. As witness to its remarkable cancer research strengths, Montpellier is one of the eight integrated cancer research sites (SIRIC) that has been certified by the French National Cancer Institute in 2012, and re-certified for the 2018-2022 period.

A veritable concentration of skills, SIRIC Montpellier Cancer brings together more than a thousand professionals from the university hospitals of Montpellier as well as public research organisations and Montpellier’s higher education faculties. Through the diverse approaches of its laboratories, the SIRIC consortium covers the whole range of research for which the ultimate goal is the improved understanding, prevention, detection and treatment of cancer.

A NETWORK OF 5 BIOMEDICAL RESEARCH INSTITUTES OF INTERNATIONAL STANDING

- Cell Biology Research Centre of Montpellier
- Institute of Molecular Genetics of Montpellier
- Montpellier Cancer Research Institute
- Institute of Human Genetics
- Institute for Functional Genomics

A NETWORK OF LIFE SCIENCES AND SIRIC RESEARCH FACILITIES

- Epsylon Lab
- Epidaure Prevention Centre
- CEPS platform
- Health Psychology Supportive care
- Exercise sciences
- Public health
- Biostatistics
- Multidisciplinary expertise in human and social sciences applied to cancer
- Interactome screening, pharmacology
- Antibody engineering
- Screening in oncology
- Early-Phase Clinical Trial Centre certificated by INCa
- Clinical Research and Biometry certified ISO 9001
- The unique French UCCancer R&D Datacentre
- 2 Biological Resources Centres
- The Animal House Network of Montpellier
- Montpellier DNA Combing
- Montpellier Genomics
- Montpellier Proteomics
- Montpellier Imaging
- Montpellier DNA Imaging facility
- Histopathology network of Montpellier
- The International ImmunoGenetics Information system
- ImmunoGenes
- Preclinical tumourgraft models
- Antibody engineering
- Screening in oncology

TOP NOTCH EXPERTISE IN CANCER BIOLOGY

- Clinical Research and Biometry certified ISO 9001
- Early-Phase Clinical Trial Centre certificated by INCa
- The unique French UCCancer R&D Datacentre
- 2 Biological Resources Centres
- The Animal House Network of Montpellier
- Montpellier DNA Combing
- Montpellier Genomics
- Montpellier Proteomics
- Montpellier Imaging
- Montpellier DNA Imaging facility
- Histopathology network of Montpellier
- The International ImmunoGenetics Information system
- ImmunoGenes
- Preclinical tumourgraft models
- Antibody engineering
- Screening in oncology

CLINICAL RESEARCH EXCELLENCE

2 LEADING UNIVERSITY HOSPITALS THAT COVER THE ENTIRE SPECTRUM OF ONCOLOGY

Montpellier University Hospital

Montpellier Cancer Institute

MULTIDISCIPLINARY EXPERTISE IN HUMAN AND SOCIAL SCIENCES APPLIED TO CANCER