

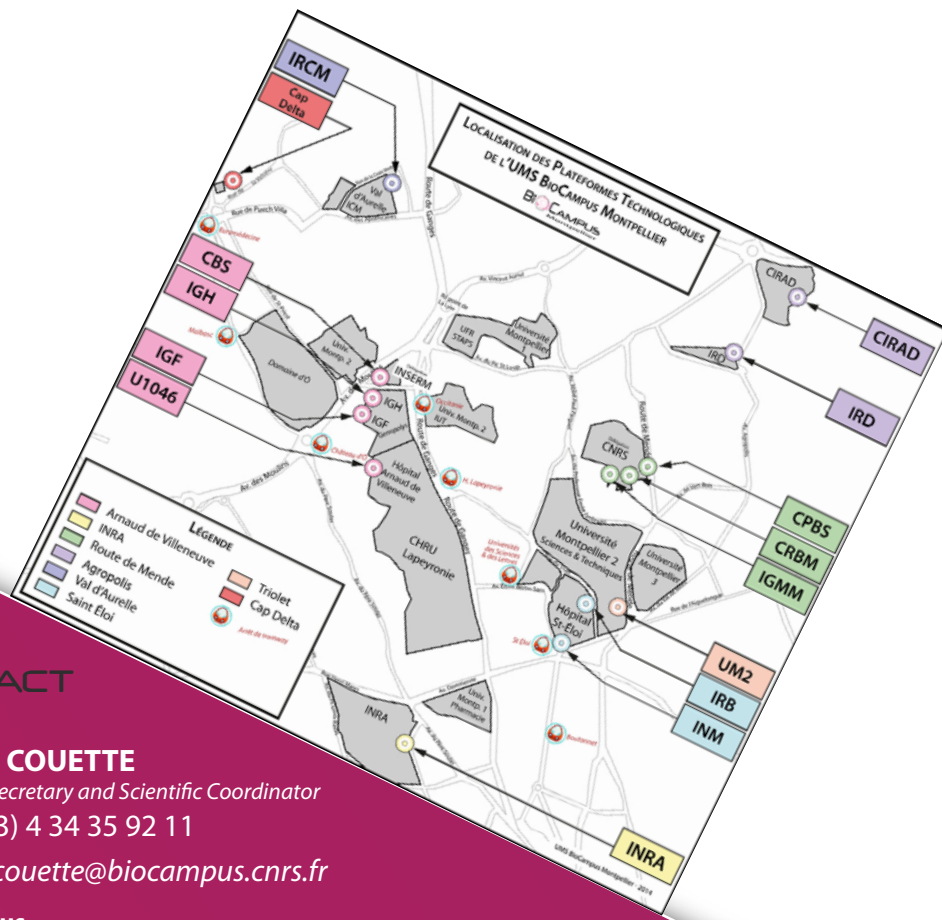


Director
Laurent JOURNOT

TECHNOLOGY FACILITIES FOR LIFE SCIENCES
in Montpellier

LOCATION

The technology facilities are housed at 8 sites:



BioCampus Montpellier (BCM) federates the technology facilities for Life Sciences of the RABELAIS Biomedical Cluster in Montpellier. This Unit was created in 2011 by CNRS, INSERM, the Montpellier Universities 1 and 2 and includes 50 technical platforms grouped in 12 state-of-the-art technology facilities.

These facilities are actively supported by the Languedoc-Roussillon Region and serve a scientific community of 2000+ scientists whose research teams are grouped within three Labex (AGRO, CeMEB and EpiGenMed). Six facilities have received the IBISA label and sixteen platforms have gained ISO 9001 certification. BCM is backed by the competitiveness clusters Eurobiomed and Q@LI-ME-Diterranée as well as the fourth French CHU.

The BioCampus Montpellier facilities are also part of the France-BioImaging, France Génomique and FRISBI National Infrastructures.

These technology facilities are open to the academic, industrial and clinical communities.

MAINS OBJECTIVES

- To share high performance facilities
- To favour the development of new technology facilities
- To promote the scientific exchanges and the creation of collaborative networks
- To propose high quality scientific events (training workshops, organization of conferences, science open days...)
- To propose Master or thesis internship to students in technology facilities
- To promote partnerships with industry and clinicians.



CONTACT

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12 STATE-OF-THE-ART TECHNOLOGY FACILITIES

Bioinformatics



THE INTERNATIONAL IMMUNO-GENETICS INFORMATION SYSTEM® (IMGT®)

IMGT®, the international ImMunoGeneTics information system®, was created in Montpellier in 1989 by Marie-Paule Lefranc (University Montpellier 2 and CNRS). It is the international reference in immunogenetics and immunoinformatics (immunoglobulins, T-cell receptors, MH, IgSF, MhcSF, engineering and humanization of therapeutic antibodies).

www.imgt.org



Structural Biology



INTEGRATED FACILITY OF STRUCTURAL BIOLOGY (PIBS)

The IBI SA facility of structural biology groups different methodologies (X ray-crystallography, NMR, bioinformatics, electron and near field microscopy, single-molecule spectroscopy) to propose an integrated range of methods to characterize the structure of macromolecules and their interactions.

www.cbs.cnrs.fr



Small Animal Imaging

THE SMALL ANIMAL IMAGING FACILITY OF MONTPELLIER (IPAM)

The small animal imaging facility of Montpellier groups all the technical platforms dedicated to imaging studies using small animal models of physio-pathological processes. It supports several research programmes in Life Sciences and is open to all academic and industrial research groups.

www.ipam.cnrs.fr



Molecular Combing

MONTPELLIER DNA COMBING (MDC)

The molecular combing facility offers the tools and techniques required to stretch long DNA molecules for detecting genomic micro-rearrangements or for the high-resolution analysis of replication dynamics of eukaryotic chromosomes.

www.igmm.cnrs.fr/mdc



Animal Husbandry and functional investigations

THE ANIMAL HOUSE NETWORK OF MONTPELLIER (RAM)

RAM associates platforms housed at six different sites and is dedicated to all aspects of animal experimentation: from the production of transgenic models to their functional analysis (host-pathogen interactions in a L3 containment unit, behaviour, cardiology, neurophysiology, muscle development...).

www.ram.cnrs.fr



Génomics



MONTPELLIER GENOMIX (MGX)

Montpellier GenomiX (MGX) offers a single contact to the users of the Montpellier genomic platforms. The facility proposes high-throughput sequencing services, customized DNA chips, NimbleGen or Affymetrix chips, quantitative PCR, genotyping, biostatistics and bioinformatics.

www.mgx.cnrs.fr



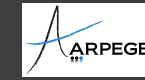
Pharmacology and Protein complexes



ARPEGE

The ARPEGE facility proposes to the scientific community innovative equipment and techniques based on the principles of fluorescence and energy transfer (BRET, TR-FRET) to allow the screening of compounds and the analysis of signalling pathways and molecular interactions.

www.arpege.cnrs.fr



Recombinant proteins

RECOMBINANT PROTEINS (PROREC)

The Recombinant Proteins facility includes a technical platform (MGC) dedicated to the management of a hORFeome library and a second platform (PPR) devoted to cloning, production and purification by liquid chromatography of recombinant proteins.

www.rmpr.cnrs.fr



Histology

MONTPELLIER NETWORK OF EXPERIMENTAL HISTOLOGY (RHEM)

The Montpellier Network of Experimental Histology (RHEM) associates technical platforms dedicated to the histological analysis of experimental models.

www.rhem.cnrs.fr



Imaging



MONTPELLIER RIO IMAGING (MRI)

MRI offers 66 workstations for optical microscopy, flow cytometry and X-ray tomography. Its technological offer is one of the most exhaustive in France: cell/object selection, confocal and super-resolution microscopy, HCS, virtual slides and F-techniques (FRAP, TIRF, FCS and FLIM).

www.mri.cnrs.fr



Protéomics



MONTPELLIER PROTEOMIC CLUSTER (PPM)

PPM includes four platforms dedicated to preparative biochemistry, mass spectrometry (identification, quantification, characterization of post-translational modifications and imaging), interaction measurements, bioinformatics and biostatistics.

www.ppm.cnrs.fr



Vectorology

MONTPELLIER VECTOROLOGY (PVM)

Montpellier Vectorology is an emerging structure with the aim of helping research laboratories to design and carry out research projects that require the use of gene transfer techniques.

vectorologie@biocampus.cnrs.fr

