



CENTRE DE RECHERCHE
DES CORDELIERS

CRC CORE FACILITIES

06/03/2024



4 Core Facilities : mutualised since 2007

Scientific Director: Maria Chiara Maiuri

MISSION

To provide highly specialized and high quality services to the research community

General Tasks

- Develop novel technology/methodology projects
- Support in designing and performing experiments
- Data analysis
- Full services
- Instruments maintenance and quality control
- Perform technical and scientific monitoring
- Comprehensive user training & formation

Policy

Access to laboratories, instruments and services

- Most of the infrastructures and instruments can be used without assistance by users after a specific training
- Reservations are done by Web-based system for trained users
- For light users assistance is provided
- Services on demand are available

Service Costs

Fees are based on equipment operating/maintenance cost



CENTRE DE RECHERCHE
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CRC core facilities Technical and Operational Manager:

Valérie CHAUFFETON – valerie.chauffeton@crc.jussieu.fr

CEF

Functional Explorations Center

Manager

Sonia PRINCE

Deputy Managers

Carole LASNE –
Georges ZADIGUE



CGB

Genotyping
& Biochemical Facility

Manager

Hermine KAKANAKOU



Centre Génomique-Biochimie

CHIC

Center of Histology,
Imaging & Cytometry

Manager

Christophe KLEIN



Centre d'Histologie, Imagerie,
Cytométrie

L2

Safety Level 2 Laboratory

L2 Managers

Audrey DIDELOT,
Delphine LE CORRE



CRC core facilities Development Project Manager: Cécile GODARD – cecile.godard@inserm.fr



Quality Certification ISO9001 since 2013

Since 2022 : **ISO9001:2015** & **NFX-50-900**





11 agents



Associated to the
Ethical Committee Charles Darwin



Member of



13400 mice, 1150 rats, > 110 transgenic strains, 200 users, > 300 ethical projects approved



1120 m²: breeding zone for mice and rats, experimental zone for mice (including a A2 zone) and rats, 7 surgery laboratories

Contact CEF <sciences-cef@sorbonne-universite.fr>

Imaging plateau

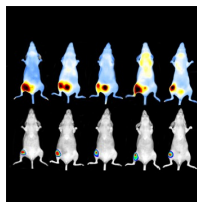


Vevo 3100 (Fujifilm)
Air Explorer SuperSonic

A2/L2 plateau



IVIS ®



Metabolomic plateau



calorimetric cages, 2 IRMs LF50 Bruker, ...



CENTRE DE RECHERCHE
DES CORDELIERS

CGB



Centre Génomique-Biochimie



3 agents



37 user teams, 42% external to CRC



Member of **RésOmique**



More than 35.000 PCR in 2023!

Contact CGB <hermine.kakanakou@sorbonne-universite.fr>



Digital-qPCR QX200 ®



Prism 6 (Stilla) ®



LabChip GX Touch/GXII Touch ®



Jess ®



2 agents



Contact:

audrey.didelot@parisdescartes.fr
delphine.lecorre@parisdescartes.fr



Equipments provided

110 m²: Working room with HEPA filters maintained at negative pressure and protected by a double pressure lock

4 type II PSM hoods

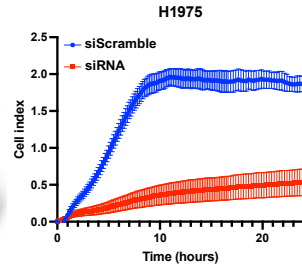
4 incubators

1 centrifuge and 1 microcentrifuge

Freezers: 4°C / -20°C / -80°C



xCELLigence®



Real-Time Cell Analysis instrument using label-free cellular impedance
For the measurement of cell invasion, migration and for the monitoring of cell health, behavior, and function

Optima XE-90 IVD Bio-Safe Ultracentrifuge



Bio-Safe design
HEPA filter
5 rotors available

Countess 3FL



For cells counting, analysis of viability, apoptosis or verification of transfection efficiency

Brightfield and fluorescence
Fast and precise



CENTRE DE RECHERCHE
DES CORDELIERS

CHIC



Centre d'Histologie, Imagerie, Cytométrie



4 agents



Member of



> 200 users teams, 47% external to CRC, 10% private companies



210 m²: 4 technical plateaux

Contact CHIC : christophe.klein@crc.jussieu.fr

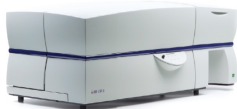
Cytometry



ARIA III



Fortessa



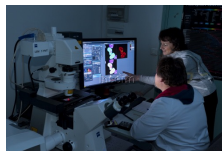
LSR II



**FlexMap
Luminex**

Spectral analyser
cytometer => coming
soon

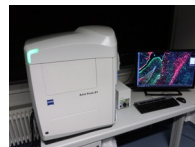
Imagery



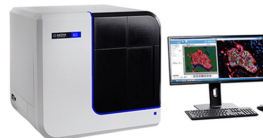
**Spectral
Confocale
Microscope**



Mantra ®



Axioscan ®



**Phenolmager HT
(Polaris) ®**

Histology/Spatial Omic



Dako autostainer



Leica Bond RX®



**GeoMX DSP
N-Counter ® +
CytAssist (10x
Genomics)**



Comet (Lunaphore)



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Thank you for your attention!

