



FLOW CYTOMETRY CORE FACILITY (CYLE)

Expertise

- Advice for flow cytometry projects
- Assistance for panel development
- Assistance for analysis and sorting experiments
- Assistance for data analysis
- Theoretical and practical training in flow cytometry

Applications

- Phenotypic multicolor analysis cytometry
- Cell cycle analysis
- Cloning, purity and enrichment multicolor sorting cytometry
- Apoptosis analysis
- Metabolic analysis

Instrumentation

- 4 color analyzers in self service
- 9 color analyzers in self service
- 16 color analyzers in self service
- 18 color analyzers in self service
- 4 color sorters in self service
- 17 color sorters (under supervision)



The platform, **specialized in cytometry**, offers help and advice to researchers working in the field of **oncology, developmental biology, and immunology**.

It is accessible to academic researchers outside the CRCL and to private companies.

Our mission is to **assist researchers throughout their project**: before (project design), during (theoretical and practical training, assistance with data acquisition and processing) and after (prospects).

	Cell analysis			Cell sorting		
	LSR Fortessa	LSR Fortessa HTS	FACS Calibur	FACS Canto II	FACS ARIA II	Biorad S3e
Parameters	18 + 2	16 + 2	4 + 2	9 + 2	17 + 2	4 + 2
Optics	4 lasers	4 lasers	2 lasers	3 lasers	5 lasers	2 lasers

The platform offers an expertise in all domains of cytometry conception, analysis and sorting of primary cells and cell lines, blood, and tumors.

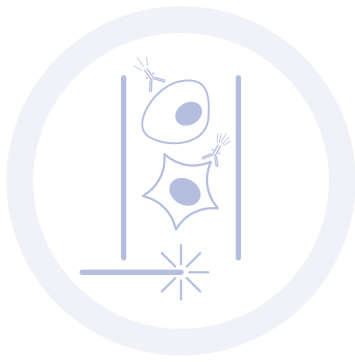
It is **fully equipped for studying fixed or fresh samples**.

The platform works in close collaboration with the CRCL's imaging platform.



The platform is the **main cytometry facility of the Lyon-Est campus**. It interacts closely with the cytometry facility of the Gerland campus, providing researchers with an access to CyTof and ImageStream X technologies.

The platform is supported by a Council composed of expert researchers for the different cytometry applications.



Access details

- Sample preparation (by user)
- Basic research projects
- Translational projects
- Animal samples
- Human samples

D.I.Y.?

Free access to platform equipment after training and registration on online schedule.

Mention us in your publications!

To allow our platform to pursue its objectives, we need you to mention our work in your publications as follows:

We thank I. Durand and P. Battiston-Montagne du Plateau de cytométrie du CRCL, for technical help with cytometry.

In partnership with

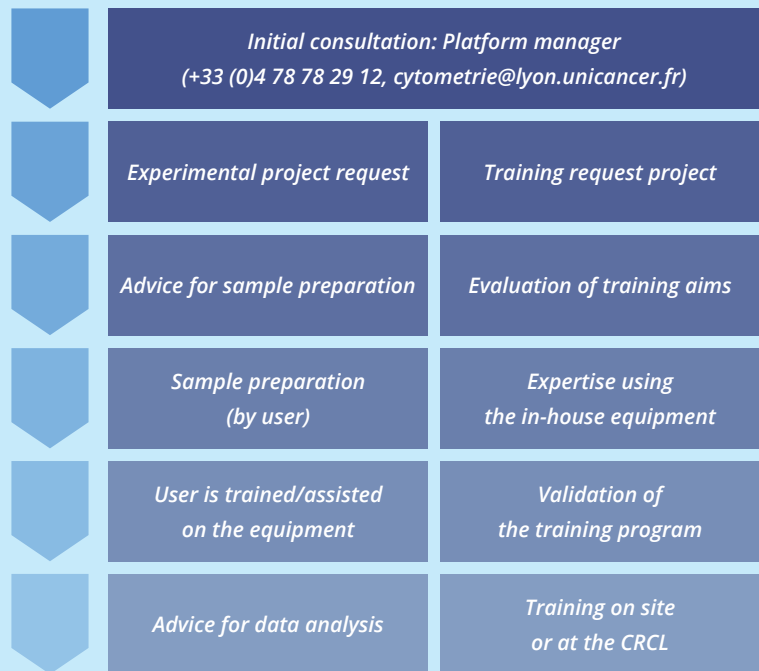


Contacts

CENTRE LÉON BERARD

28, rue Laënnec - F-69008 Lyon
Tel. +33 (0)4 78 78 29 12
cytometrie@lyon.unicancer.fr

Project workflow



Christophe Vanbelle (PhD)

– Scientific manager

Christophe is a research engineer in biophysics and biochemistry. He has specialized over the last 10 years in photonic imaging of cells, tissues and image analysis/quantification, and in cytometry. His academic and practical background in biology allows him to analyse the needs of researchers and to advise them.

Isabelle Durand

& Priscillia Battiston-Montagne

– Operators

Isabelle and Priscillia are the technicians in charge of the platform. They have a long-standing experience in cell sorting and analysis. They assist, train and help researchers to develop their projects, and are thus the main interlocutors on a daily basis.

Submission form and more infos:
www.cancer-research-lyon.com