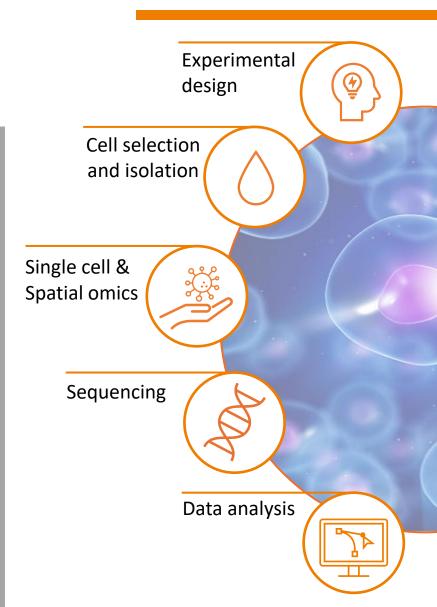


Single Cell and Spatial Omics technologies

The Institut Curie Single Cell Initiative:

- A team of SingleCell and SpatialOmics experts
- A broad portfolio of cutting-edge technologies
- An integrated pipeline from study conception to data interpretation







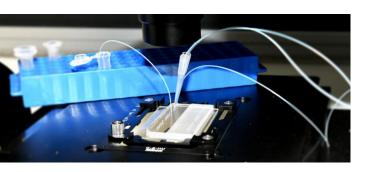
Single Cell Omics

Institut Curie is a world-wide leader in single cell omics applied to (cancer) cell biology and immunology.

Let us help you unleashing the full potential of your sample!

Single cell phenotyping

- Flow conventional cytometry
- Flow spectral cytometry
- Flow imaging cytometry



Single cell sorting/isolation

- Flow conventional cell sorting
- Flow spectral cell sorting
- Chromium controller iX
- CellenOne
- In-house microfluidics

Single cell Genomics

- 3' gene expression
- 5' gene expression with immune repertoire profiling
- Full length RNA sequencing (ex: isoforms)
- Single cell DNA sequencing (scCNV)



Single cell Epigenomics

- Chromatin accessibility (scATAC-seq)
- scATAC-seq + scRNA-seq
- Histone modifications (scChIPseq / scCUT&Tag)



Single Cell Spatial Omics

Institut Curie proposes innovative commercial and home-made solutions to unveil the spatial dimension of your samples.

Make spatial multiomics a reality by combining two technologies on the same sample!



Spatial Proteomics

- Immunochemistry
- Multiplexed immunofluorescence (Rarecyte Orion)

Sequencing-based Spatial Transcriptomics

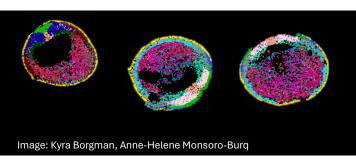
- Visium (10X Genomics)
- Visium High Definition (10X Genomics)

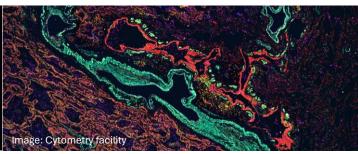




Imaging-based Spatial Transcriptomics

- Xenium (10X Genomics)
- In-house FISH





Four core facilities, one pipeline, one contact



Cytometry

Coralie Guérin

Cell sorting & Phenotyping, Imaging-based spatial proteomics and transcriptomics



Custom Single Cell Omics

Céline Vallot & Leila Perié
Microfluidics & in plate custom solutions



ICGex/NGS

Sylvain Baulande 10X Genomics solutions, library preparation, sequencing



Bioinformatics

Nicolas Servant

Data QC, automated pipelines and analysis



For whom?

We are open to **internal** and **external** teams, both **academic** and **industrial**. Industrial partnerships are managed through our Technology Transfer Office.

Types of services

We operate through **fee-for-service** for standard applications, or **R&D collaborations** for more complex or long-term projects.

Input Material

For single cell applications, we request dissociated cells/nuclei as input material.

For spatial omics, we request high quality FFPE or Fresh frozen tissues (depending on the application).

Deliverables

We provide **quality controlled data** at the highest published standards and **bioinformatics pipelines** for a first level of data analysis.



CONTACT



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