BIOLOGICAL RESOURCES CENTRE (CRB)

Expertise

- Human tissues (normal/tumor/blood)
- Animal tissues (normal/tumor/blood)
- DNA/RNA extraction from frozen, paraffin, blood
- Serum/plasma preparation
- PBMC preparation

Major cancer collections

- Breast
- Ovary
- Lung
- Intestine
- Sarcoma

Biospecimens

- ~55 000 tumor samples
- ~40 000 serum samples
- ~68 000 plasma samples
- ~3 800 blood samples

Instrumentation

- Qiacube
- Autopure Qiagen
- Maxwell 16
- Liquid Nitrogen tank storage room
- -80°C freezers
- Zebra printers
- Micros ES60 (Horiba)

The **Biological Resource Center (CRB)** of the Léon Bérard Cancer Center, **centralizes, stores and controls sample access and quality for cancer research.**

Samples with traceable informed consent are collected for clinical or industrial research collaboration purposes.
After de-identification, clinical information, is stored on a secure database.

The CRB is quality certified according to **NFS 96-900** and for clinical trials, **ISO 9001**, ensuring:

- Scientific rigor for sample traceability and quality
- Secured and controlled collections
- Ethical rules observance
- Defined rules for accessing samples

After surgical resection, tumor tissue and matched normal adjacent tissue are biobanked in very good conditions thanks to a good coordination with the Biopathology department. Several collections are available (cryoconserved or fixed) with associated clinical data, **allowing retrospective as well as prospective studies on breast, ovarian, lung, intestinal cancer and sarcoma**. Other specialized collections are and can be developed upon request.

Note the capacity of the CRB to manage large collections, such as those of mesothelioma from the French mesothelioma network (MESOPATH).
The CRB is a biological resource center for the UNICANCER group which has collected **about 92 000 samples over the last 6 years**.
Whenever possible, blood is collected and samples of total blood, plasma and serum are frozen to be paired with the tissue samples. Automated DNA and RNA extraction is routinely performed in the facility for further use by researchers or to be transmitted to other platforms (genomic, pathology, ex vivo, tumor model laboratory...).

Access details

- Basic science projects
- Translational projects
- Preclinical projects

Applications

- Histology
- Immunohistochemistry
- Genomics (DNA and RNA sequencing)
- Ex vivo analyses (only from fresh samples)

Material and methods section of your article

- Samples were from the BB-0033-00050, Centre de Ressources Biologiques (Biological Resource Center) of the Center Léon Bérard (Lyon, France)

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: **Centre de Ressources Biologiques, Département de Recherche Translationnelle et d'Innovations, Centre Léon Bérard, Lyon, France**

Contacts

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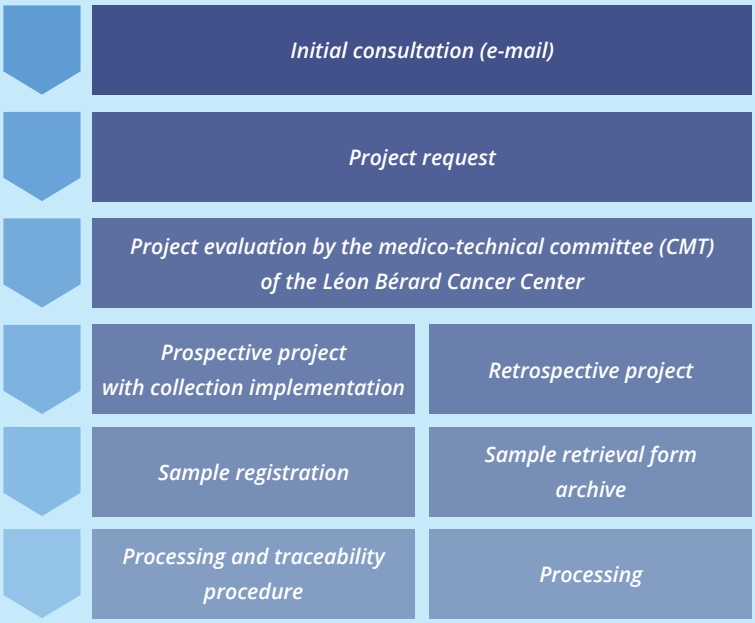
Project workflow



Séverine Tabone-Eglinger

– Scientific director

Séverine Tabone-Eglinger, PharmD PhD, has experienced human biological handling through its hospital residency formation, its research works and more recently through its responsability of the Ex Vivo platform.
She is the person to contact for all project requests that she will transmit to the CMT and she may also guide you to set up prospective collections.
With the help of a «chef d'equipe», she is managing a team of 9 technicians with high and complementary expertises.

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