



Tumorothèque



Régionale de Franche-Comté

Franche-Comté Regional Tumour Bank

MAIN COLLABORATIONS IN TERMS OF RESEARCH

Regionally

- ×CHU Services
- ×EA 3181: Epithelial carcinogenesis: predictive and prognostic factors
- ×UMR 1098: Host-transplant-tumour interaction and cellular and genic engineering
- ×EA 3922: Oestrogen, genic expression and central nervous system disorders

Nationally

- ×SPLIT, Papillophar, Melbase and Rena-Path projects
- ×The TRFC is a member of the virtual tumour bank at the Cancéropôle Grand-Est.

Internationally

- ×DKFZ, German Cancer Research Center, Heidelberg

CHU QUALITY APPROACH

- ×Samples kept at the TRFC are gathered, preserved and used in accordance with national regulatory and ethical frameworks.
- ×The TRFC's strategic and scientific council rules on the collections to be privileged and the request for access to human biological resources for research.
- ×The TRFC guarantees the safety and traceability of samples.
- ×Since March 2014, its activities have been certified in accordance with the NF S96-900 standard, "Management of a biological resource center".

Website of the Tumorothèque Régionale de Franche-Comté

[Http://www.chu-besancon.fr/tumoro](http://www.chu-besancon.fr/tumoro)
Supervisor: Prof Séverine Valmary-Degano

Contact and requests for samples

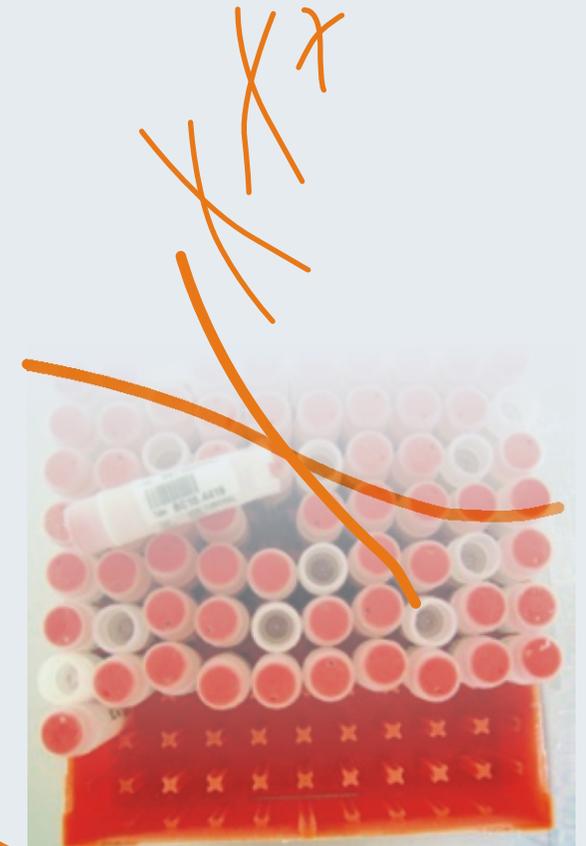
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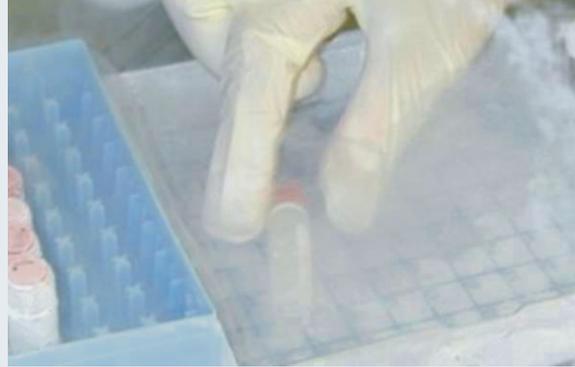
PRÉSENTATION

Located at the CHU University Hospital Center, in Besançon, the Tumorothèque Régionale de Franche-Comté (TRFC Franche-Comté Regional Tumour Bank) preserves biological samples from the various accredited oncology facilities in the region.

More than 15,000 samples of tumours and healthy tissues are currently held by the TRFC at -196°C , as well as some 10,000 derived products (DNA, RNA, plasma, serum, etc.) at -80°C .

For patients, access to the samples helps in refining their diagnosis, defining their prognosis and ensuring the best possible therapeutic care.

For research, the TRFC has gathered the high-quality biological sample collections that researchers need, notably for oncology research. They will be made available to researchers only if the patient's consent has been received.



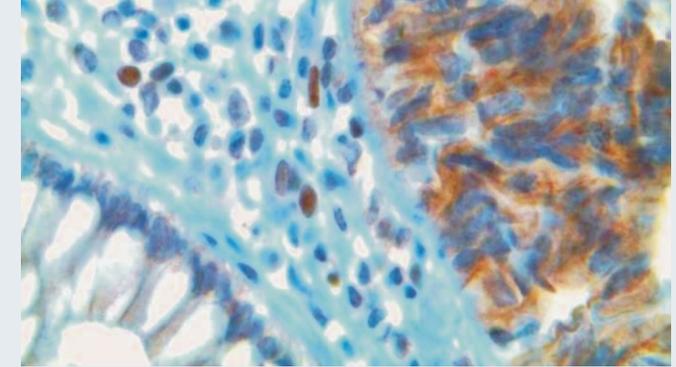
MISSIONS

Sampling and cryopreservation of tumour tissues
The TRFC receives samples and prepares tumour or healthy tissue fragments for storage in liquid nitrogen.

DNA extraction and preservation
The TRFC carries out the pre-analytical phase of oncology-oriented molecular biology examinations. It notably works upstream of Franche-Comté's PFGMC (Plateforme Régionale de Génétique Moléculaire des Cancers Regional Platform for Molecular Genetics in Cancers).

Gathering biological and clinical data
The TRFC regularly updates the TumoroteK database.

Access to samples
For refining a diagnosis (search for somatic mutations, search for translocations) and for research purposes, to gain a better understanding of the different carcinogenesis processes.



TUMOUR BANK ACCESS NETWORK

The sample collections at the regional tumour bank are the fruit of the cooperation between pathological anatomy and cytological laboratories in the Franche-Comté region on which accredited oncology sampling institutions depend. Cryopreservation is possible for each patient (unless the patient refuses) for part of the tumour, whatever its nature and the site of the surgical intervention. This system thus participates in ensuring equality of access to healthcare and considerably widens the biological resources available to researchers.

SHOWCASE SAMPLE COLLECTIONS

The TRFC's showcase sample collections target the following diseases:

- ✗ breast tumours,
- ✗ colorectal cancers,
- ✗ cancers of the anal canal,
- ✗ ENT tumours,
- ✗ skin covering,
- ✗ brain tumours.

The biological resources mainly include nucleic acids (DNA, RNA), tumour tissues and healthy tissues. The samples preserved by the TRFC are gathered, preserved and used in compliance with the law, notably the bioethics law.