



RESEARCH PATHOLOGY PLATFORM EAST

Expertise

- Human and animal tissue/cell processing
- FFPE/frozen sections
- Classical (HES) and special stains
- Tissue microarray (TMA)
- Immunohistochemistry (IHC)
Immunofluorescence (IF), including multiplex IHC/IF
- In situ hybridization (HIS)
- Macro/microdissection Laser
- Digitally scanned slides
- Morphometric analyses
- Pathologists expertise for interpretation
- National/international networks for collaboration

Instrumentation

- Leica ASP6025 automatic tissue processor
- Modular tissue embedding center MM France EC 350
- MM France HM340E microtomes
- Tissue microarrayer Excilone Minicore
- Leica ST5010-CV5030 autostainer with robotic coverslipper
- Automated IHC and ISH processing system Roche Discovery XT
- Automated IHC processing system Roche Benchmark ULTRA
- PALM Laser Zeiss for laser micro dissection
- Trinocular microscope for multiple viewer access
- Platform of virtual slides
- Morphometric analysis software on virtual slides

The **Research Pathology Platform** is dedicated to the identification and the validation of **biomarkers** for tumor characterization on tissues and cells **from both humans and animals**.

Our pathologists belong to the Léon Bérard Cancer Center, to the University Hospital HCL Lyon East, to the VetAgroSup veterinary school and to the Claude Bernard University UCBL. They are all involved in basic and translational research and are recognized as experts in their respective fields of work.

Pathologists and fields of expertise Léon Bérard Cancer Center

Thoracic pathology and serous tumors, Head and neck tumors: Pr Galateau-Sallé, Pr Lantuejoul, Dr Crozes

Gynecologic and breast tumors: Dr Treilleux

Melanomas and skin tumors: Dr de la Fouchardière

Soft tissues and bone tumors: Dr Ranchere-Vince, Dr Karanian

Haematologic tumors: Dr Chassagne Clément

Pathologists and fields of expertise University Hospital HCL Lyon East

Thoracic pathology: Pr Brevet, Dr Chalabreysse

GI tract, pancreatic, neuroendocrine and liver tumors: Dr Hervieu

Pediatric tumors and foetopathology: Pr Collardeau-Frachon, Dr Dijoud

Gynecologic tumors and foetopathology: B. Nadaud

Uropathology: Pr Brevet

Neuromuscular disorders: Dr Streichenberger

Brain tumors: Dr Meyronet, Dr Vasiljevic

Pathologists and fields of expertise VetAgro Sup Veterinary School

Haematopathology: Pr Marchal

Skin tumors and uropathology: Dr Tortereau

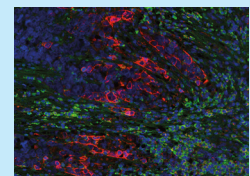
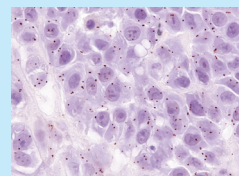
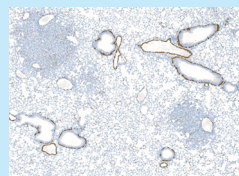
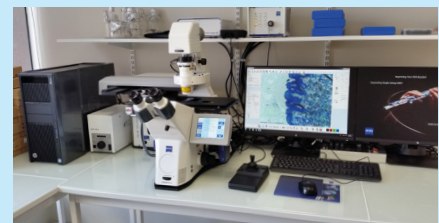
Brain tumors and carcinomas: Dr Belluco

Vascular tumors and carcinomas: Dr Watrelot

Dermatopathology: Pr Pin

All types of cytological and histological analyses can be performed on our platform, from classical tissue/cell preparations and custom-made immunohistochemistry (IHC) to innovative technologies, such as microdissection, in situ hybridization, fluorescent multiplex IHC and morphometric analyses.

Technique monitoring and interpretation are supervised by pathologists. For discussion with researchers and clinicians, a trinocular microscope is available as well as a slide scanner in order to facilitate collaborative and publication works.





Access details

- Basic science projects
- Translational projects
- Preclinical projects
- Animal samples
- Human samples

Advice for sample preparation

- Delay for fixation: as soon as possible following the sacrifice
- Fixatives : 10% neutral buffered formalin, PFA: 4%
- Fixation volume: should be minimum 10X the size of the sample
- Vials : wide mouth container, NO 15ml tubes!
- Fixation duration : 24 to 48h
- Identification : readable, clear and complete

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:

**Research Pathology Platform,
Department of Translational
Research and Innovation, Centre
Léon Bérard, Lyon, France.
Fondation Synergie Lyon Cancer,
Lyon, France.**

Contacts

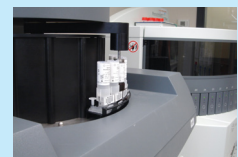
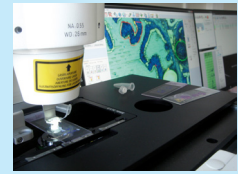
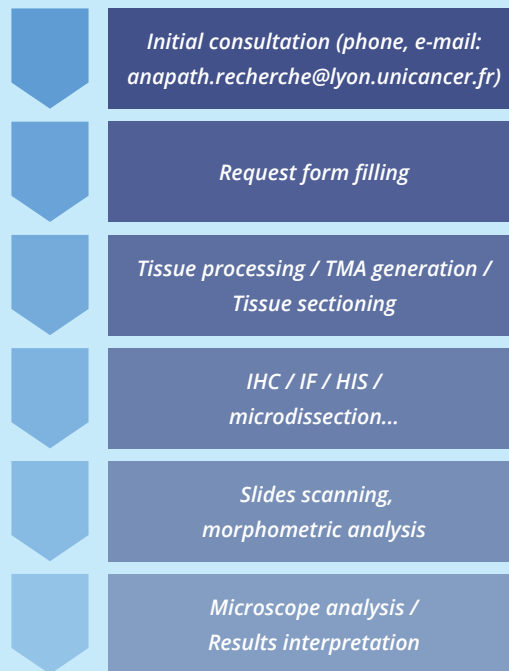
Nicolas Gadot

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Project workflow



Sylvie Lantuejoul

– Scientific director

Pr Sylvie Lantuejoul is a thoracic pathologist, working for years on lung carcinogenesis. She is also member of the Centre National Referent Mesopath (leader Pr F Galateau-Sallé) located in the Biopathology Department of Centre Léon Bérard.

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Nicolas Gadot

– Platform manager

Nicolas Gadot has a robust experience in histotechnology and animal models histopathology. He is highly involved in the technical development of the platform.

nicolas.gadot@lyon.unicancer.fr

Submission form and more infos:

www.cancer-research-lyon.com