

The MicroPICell platform offers a complete integrated solution in cellular and tissue imaging (histology, photonic imaging, image analysis) to the entire scientific community, academic or industrial.

It belongs to the Bonamy Federative Research Structure (UMS Inserm 016/CNRS 3556), under the supervision of Nantes University, CNRS, Inserm, and Nantes University Hospital (CHU de Nantes).

Address:

IRSUN (University of Nantes Health Research Institute)
8, Quai Moncoussu - BP 70721 - 44007 Nantes Cedex 1

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SERVICES OFFERED AND CONTACTS

The MicroPICell platform offers services and equipment availability. A description of the offered services is available on the platform's website:

<https://micropicell.univ-nantes.fr/>

- The equipment of the histology service is managed by **Stéphanie Blandin**, who can be contacted at:
 - Stéphanie Blandin: 02 28 08 02 61
 - Philippe Labrot
 - Yevgeniya Simon: 02 28 08 01 38
 - Anne Gaignerie: 02 28 08 03 05
 - Aurélie Doméné: 02 28 08 03 05The equipment is located on the 4th and 6th floors of the IRSUN building. Sample reception is in room 416.
- The microscopy service equipment is managed by **Philippe Hulin** and **Steven Nedellec**, who can be contacted at:
 - Philippe Hulin: 02 28 08 03 28
 - Steven Nedellec: 02 28 08 03 40The equipment is located on the 4th floor of IRSUN, the 2nd floor of IRS2,

and the 1st floor of the dental school (RMES). The staff can be met in room 416 of IRSUN.

- The image data analysis and management service is managed by **Perrine Paul-Gilloteaux**, who can be contacted at:
 - Perrine Paul-Gilloteaux: 02 28 08 03 43
The service is located on the 4th floor of IRSUN. The staff can be met in room 416b of IRSUN.

The platform is supervised by a scientific committee and a user committee (steering committee). The scientific head is **Perrine Paul-Gilloteaux**, the deputy scientific head is **Emmanuel Scotet**, and the technical manager is **Steven Nedellec**. A single point of entry is provided: micropicell@univ-nantes.fr

BENEFICIARIES

The MicroPICell platform is accessible to all academic research teams and private companies, subject to compliance with the access conditions and acceptance of this charter.

PRICING

All pricing details are available at the following link: [Pricing link](#)

- The **SFR** rate applies to users affiliated with units/teams of SFR Bonamy (<https://sfrsante.univ-nantes.fr/>).
- The **ExtSFR** rate applies to users affiliated with academic units/teams not associated with SFR Bonamy. The **Private Collaboration** rate applies to academic or private users within the framework of a collaborative project referenced by the DRPI of Nantes University.
- The **Private** rate applies to users from external private companies.
In case of multiple affiliations, the funder must be specified during the feasibility study to apply the appropriate rate.

All rates are subject to approval by the steering committee and signed by the President of Nantes University.

Service invoices are issued every 4 months and sent to the user's supervisor and the financial manager of the team for academic users.

As decided by the platform's steering committee in April 2017, any unit failing to honor all invoices within 4 months after issuance will be denied access to the platform.

ACCESS CONDITIONS

Opening Hours

- **Histology Service:** Opening hours are 8 AM to 5 PM. Appointments are exclusively made by email.
- **Microscopy Service:** Opening hours are 8:30 AM to 12:30 PM and 1:30 PM to 6 PM. Appointments are exclusively made by email.
- **Image Analysis Service:** Opening hours are 8 AM to 6 PM. Appointments are exclusively made by email.

Access is prohibited at night, on weekends, during holidays, and during mandatory closures. In case of an absolute need for isolated work, the user must request permission from the platform managers.

During periods of absence of the responsible staff, only authorized autonomous users have access to the technical facilities during IRSUN's opening hours.

Equipment and Services Access

All platform offers are subject to acceptance of this operational charter. Unit directors or hierarchical managers in the case of private companies must also acknowledge these conditions.

In case of non-compliance with this charter, the user may be temporarily excluded by the platform managers and, after consultation with the steering committee, may be permanently excluded.

The platform does not store any samples after the requested techniques are performed. Each user is required to retrieve their samples once the requested techniques are completed.

Sample Compliance

The platform laboratory is only authorized to handle biological samples of risk level 1. Samples of higher levels must be inactivated before being brought to the platform.

The platform is not equipped to handle radioactive samples. Samples subjected to radioactive treatment are only accepted with a certificate of non-radioactivity issued by the Radioactivity technical platform.

Access to MicroPICell is not authorized for the study of samples containing pathogens requiring containment (e.g., HIV).

For living human samples (e.g., cells in blood bags), a certificate of non-pathogenicity will be required.

Mutagenic agent preparations must be solidified or sealed. If in doubt, discuss with the managers.

Samples presenting other risks will only be accepted after consultation with the steering committee and the health and safety engineer.

The histology service no longer accepts samples immersed in a chemical fixative. Once fixed, samples must be immersed in 70% ethanol and may be brought to the platform for further processing.

Sample preparation advice for histology services can be found at [the provided link](#).

Samples will be inspected by platform staff upon submission.

Machine Reservation

Only users trained in the autonomous use of the equipment will be authorized by platform staff to access the device reservation system.

Reservations are made online via the Platform Manager system of SFR Santé: [Platform Manager](#)

Users must turn off all equipment after use, except when another user is scheduled to use it on the same day.

The last user of the day must ensure the system is turned off.

Data Storage and Analysis Results

The platform does not guarantee the storage of data at the end of each session. Users are encouraged to store their data on the dedicated server, which allows sharing acquisitions with platform members for feedback or further analysis.

Access details for the server are provided during the equipment training.

Equipment Maintenance

The platform ensures the stability and proper condition of its equipment, which is essential for reproducibility in users' acquisitions. Users must report any issues during equipment use by filling out the logbook next to the equipment.

Maintenance contracts for the various systems are handled by the MicroPICell platform.

Intellectual Property & Confidentiality Rules

Image analysis scripts remain the intellectual property of the platform unless an agreement and application of the industrial rate are made.

Each party (user and platform) agrees not to publish or disclose, in any way, the scientific, technical, or commercial information of the other party, including prior knowledge owned by

the other party, unless such information is publicly accessible. This agreement remains in effect for five years from the invoice date.

Safety Instructions

Users must comply with the health and safety instructions posted in the provided premises and communicated during equipment autonomy training.

Work in isolation must be exceptional and follows a specific procedure.

It is strictly forbidden to enter any platform room wearing gloves. Users should bring their own lab coats if necessary.

SCIENTIFIC PUBLICATIONS: RECOGNITION AND VISIBILITY OF MICROPICELL

Users must notify the MicroPICell platform of any publications or presentations that include results acquired on the platform.

In case of publication, users must acknowledge the platform using the following wording:

"We acknowledge the IBISA MicroPICell facility (Biogenouest), member of the national infrastructure France-BioImaging supported by the French national research agency (ANR-10-INBS-04)."