

Tech Times #7

Newsletter from the Cell and Tissue Imaging Platform (PICT)

Tech Times is your **newsletter** that regularly informs you about the latest updates on the **PICT** facility. Welcome to **springtime**

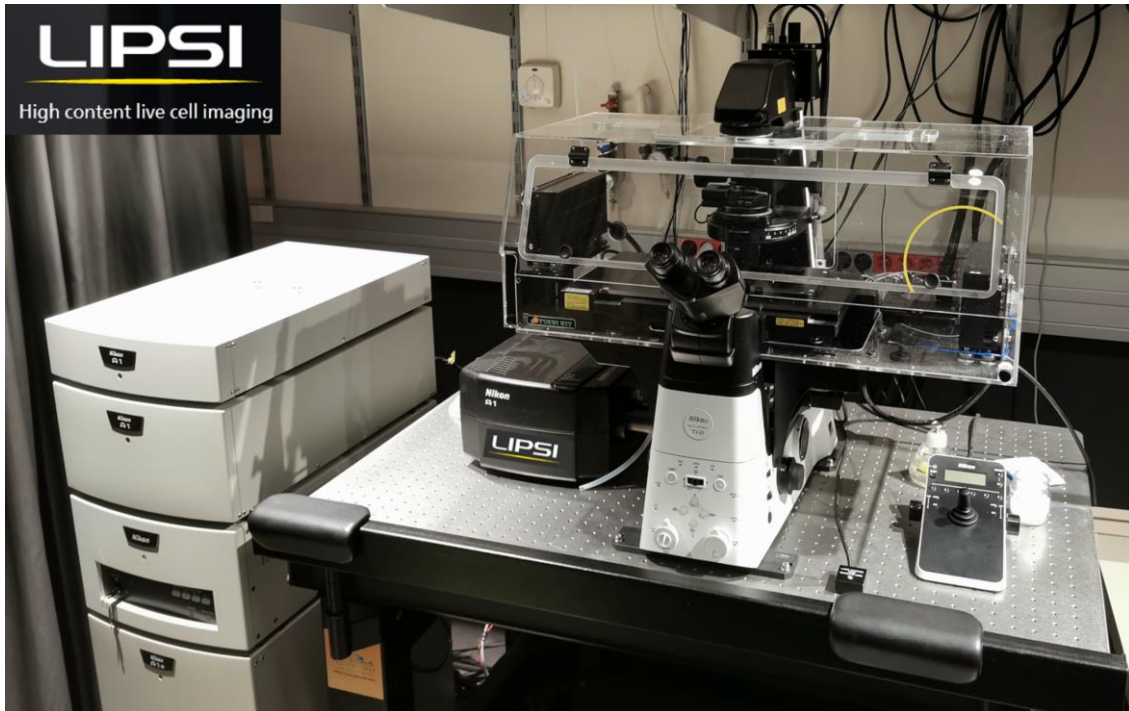
The Cell and Tissue Imaging Platform (PICT) welcomes you for your microscopy projects.

PICT is IBISA certified and is a member of the FranceBioImaging infrastructure.

In short, the PICT platform brings together expertise in:

- Electron Microscopy
- Light-Microscopy
- High-content screening
- Image Analysis

More than **50** high-end microscopes and **21** experts in microscopy and image analysis are available.



New equipment - High-speed, flexible, automated well plate acquisition, data visualization and analysis, Nikon Europe has developed a fully incubated, HCS platform in collaboration with Prio Sc and LIS. With a powerful analysis tools, we can get results from live cells in real time. The LIPSI will be opened in April for fixed sample screening then in September for live sample screening. So please don't hesitate to contact us (imagerie.lhomond@curie.fr) to make your first step in the new high content screening system.



FiJI/Image J training

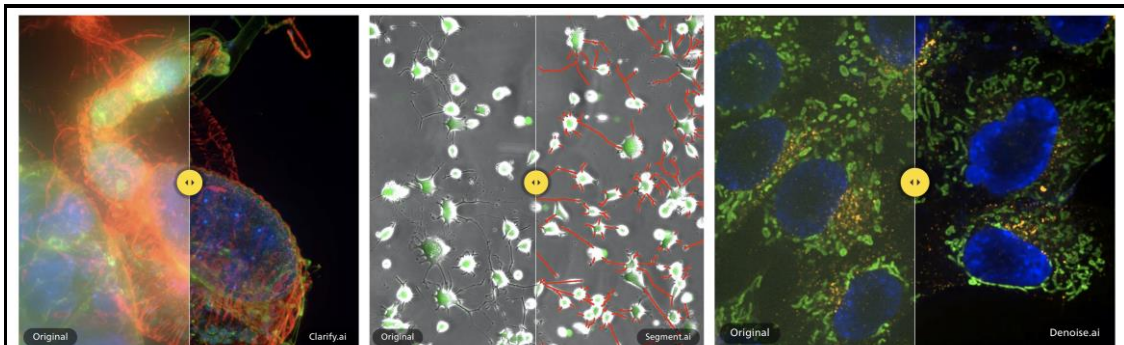
The PICT and the training unit of the Institut Curie will soon organize an online FiJI/Image J training. A registration e-mail will be sent to all staff members very soon.



The new **Lattice Light-sheet microscope** from Zeiss was demonstrated during the week of 8 March 2021 at Collège-de-France. Two teams from the Institute participated in the demonstration.



CD7-LSM900 (Zeiss) automated confocal microscope for live sample imaging is being demonstrated at PICT@BDD (imagerie.bdd@curie.fr) from 8 to 30 March 2021. Thanks to the many teams who have already tested it.



Images from Nikon website: <https://www.microscope.healthcare.nikon.com/fr/EU/products/software/nis-elements/nis-ai-1>

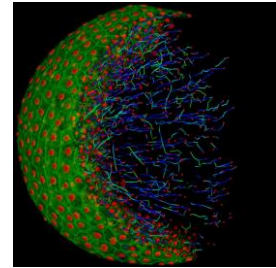
*We are pleased to announce that thanks to our collaboration with Nikon, a brand-new software called **NIS.AI**, integrating **Deep learning algorithms**, is available in the PICT-LM@Burg computer-room (on Meta-Imaris computer). From quality improvement to automatic segmentation on data impossible to segment by traditional threshold, this software offers numerous possibilities to help you automatize your image analysis workflow. Please feel free to contact imagerie.lhomond@curie.fr if you want to try it on your data.*



Do you use microscope coverslips of the right thickness?

Most objectives are designed to use #1.5 coverslips (170µm). Using the wrong one may have serious implications for image intensity and quality.

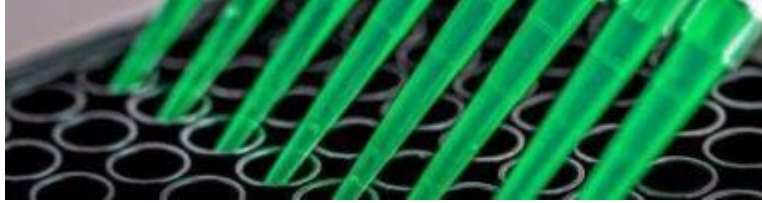
If you have a **need for image analysis**, do not hesitate to contact the **platforms** that will advise you.



Which microscopes are available on the platform?

It is easy, just go to our [website](#).





Are you planning a screening project?

Contact the [PICT-Biophenics](#) platform. BioPhenics uses image-based high-content screening assays to evaluate multiple biochemical and morphological parameters in cells. Its technology allows tracking phenotypes at the cellular and subcellular levels under various perturbing conditions (chemical and siRNA collections).

The next meeting of the **PICT Scientific Council** will be held on April 8, 2021. Please feel free to contact your representatives or platform managers if there is a particular item you would like the board to address.



You have just published an article with microscopy data....

Congratulations! Don't forget to thank the PICT-

IBiSA platform member of FranceBioImaging (example of acknowledgements [here](#)).



SE LAVÉR LES MAINS RÉGULIÈREMENT
À L'EAU ET AU SAVON OU RÉALISER UNE FRICTION
AVEC UNE SOLUTION HYDROALCOOLIQUE



TOUSSER OU ÉTERNUER
DANS SON COUDE



RESPECTER LES RÉGLES
DE DISTANCIATION SOCIALES



UTILISER UN MOUCHOIR
À USAGE UNIQUE



SE SALUER SANS
SE SERRER LA MAIN



LE PORT D'UN MASQUE GRAND
PUBLIC EST OBLIGATOIRE
SUR TOUS LES SITES

Please respect the Covid rules of the Institute and the [platform](#).

NIKON
IMAGING CENTER @


institut**Curie** CNRS

The Institut Curie is hosting the **Nikon Imaging Centre** since 2007. More
information [here](#).

A **big thank you** to all the researchers, units, labex
and institute that funds and/or **helps us to**
finance the platform's equipment.



"We believe in sharing equipment".
