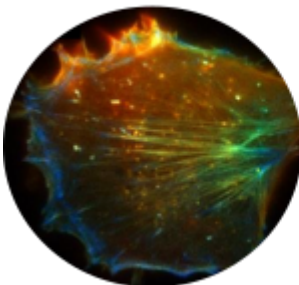


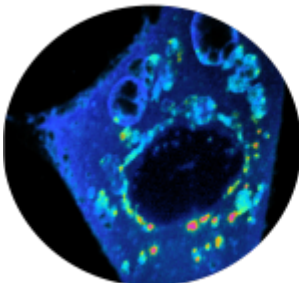
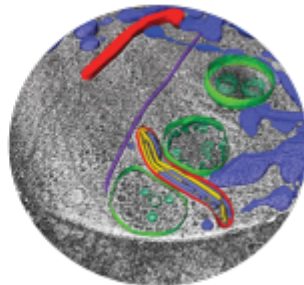
The Biomaging Cell and Tissue Core Facility of the Institut Curie (PICT-IBiSA) gathers highly sophisticated equipments and up to date technologies in advanced microscopy. Its main aim is to provide research groups with a workflow of state to the art imaging approaches to study at different scales and with complementary methods molecules, organelles, cells, whole organisms and tissues in normal and pathological states.

Our imaging core facility gathers equipment in advanced light microscopy, high-content screening microscopy (HCS), electron microscopy and chemical mapping.

Photonics



Electronics



Chemical



HCS

Our activities :

- provides advanced technologies and expertise in light and electronic microscopy and image analysis,
- provides users with training, help and advice,
- maintains a leading technological facility,
- performs technical and software developments,
- collaborates in scientific & technological projects,
- participates in the dissemination of knowledge and communication of our activities,
- participates in training and education in our fields at national and international level

The platform is open to all researchers, both internal and external to the Institut Curie.

You can contact the PICT facility by sending an email to: info.pict@curie.fr

Organisation

The coordination of the PICT platform is carried out by Olivier Renaud & Daniel Levy.

PICT facility is a multi-site platform located in different units of the Institut Curie, on the Paris campus:

- [UMR 144](#), C. Burg Building
- [UMR 168](#), Pavillon Curie
- [UMR 3664](#), Pavillon Pasteur
- [U 934 / UMR 3215](#), Developmental biology and cancer building

and on the Orsay campus:

- [UMR3348](#)
- [UMR9187 / U1196](#)

For more information on each pole, please click on the images above or on the tabs on the right.

A little about the facility history...

PICT-IBiSA at Institut Curie won official recognition as an operational platform in life sciences ("Cell Imaging" Platforms coordination RIO) in 2003. This recognition has been renewed by the labeling of the PICT by the GIS IBiSA (Infrastructure in biology, health and agronomy - <https://www.ibisa.net/>) in 2008.

Since 2007, in close collaboration with Nikon France, Nikon BV and other industrial partners, PICT-IBiSA also hosts and administers the Nikon Imaging Centre @ Institut Curie-CNRS (<http://nimce.curie.fr/>), one of three centers of this kind in Europe, one of the nine, worldwide.

PICT-IBiSA is a member of the consortium France BioImaging (<https://france-bioimaging.org/>), which aims to represent the national branch of the European ESFRI project, Eurobioimaging.

Key publications

Year of publication 2019

Jamecna D, Polidori DJ, Mesmin B, Dezi M, Lévy D, Bigay J, Antony B (2019 Mar 22)
An intrinsically disordered region in OSBP acts as an entropic barrier to control protein dynamics and orientation at membrane contact sites

Developmental cell * : * highlighted Trend in Cell Biology 2019 : [DOI :](#)

[10.1016/j.devcel.2019.02.021](https://doi.org/10.1016/j.devcel.2019.02.021)

Beber A, Taveneau C, Nania M, Tsai FC, Di Cicco A, Bassereau P, Lévy D, Cabral JT, Isambert H, Mangenot S*, Bertin A* (2019 Jan 24)

Membrane reshaping by micrometric curvature sensitive septin filaments

Nature communications : DOI : [10.1038/s41467-019-08344-5](https://doi.org/10.1038/s41467-019-08344-5)

Year of publication 2018

Anna M Lilja, Veronica Rodilla, Mathilde Huyghe, Edouard Hannezo, Camille Landragin, Olivier Renaud, Olivier Leroy, Steffen Rulands, Benjamin D Simons, Silvia Fre (2018 May 23)

Clonal analysis of Notch1-expressing cells reveals the existence of unipotent stem cells that retain long-term plasticity in the embryonic mammary gland.

Nature cell biology : DOI : [10.1038/s41556-018-0108-1](https://doi.org/10.1038/s41556-018-0108-1)

Year of publication 2016

Floris Bosveld, Olga Markova, Boris Guirao, Charlotte Martin, Zhimin Wang, Anaëlle Pierre, Maria Balakireva, Isabelle Gague, Anna Ainslie, Nicolas Christophorou, David K Lubensky, Nicolas Minc, Yohanns Bellaïche (2016 Feb 18)

Epithelial tricellular junctions act as interphase cell shape sensors to orient mitosis.

Nature : 495-8 : DOI : [10.1038/nature16970](https://doi.org/10.1038/nature16970)

Cédric Delevoye, Xavier Heiligenstein, Léa Ripoll, Floriane Gilles-Marsens, Megan K Dennis, Ricardo A Linares, Laura Derman, Avanti Gokhale, Etienne Morel, Victor Faundez, Michael S Marks, Graça Raposo (2016 Jan 4)

BLOC-1 Brings Together the Actin and Microtubule Cytoskeletons to Generate Recycling Endosomes.

Current biology : CB : 1-13 : DOI : [10.1016/j.cub.2015.11.020](https://doi.org/10.1016/j.cub.2015.11.020)

Topkaya D., Lafont D., Poyer F., Garcia G., Albrieux F., Maillard P., Bretonniere Y., Dumoulin F. (2016 Jan 1)

Design of an amphiphilic porphyrin exhibiting high in vitro photocytotoxicity

NEW JOURNAL OF CHEMISTRY : 40 : 2044-2050 : DOI : [10.1039/c5nj02716k](https://doi.org/10.1039/c5nj02716k)