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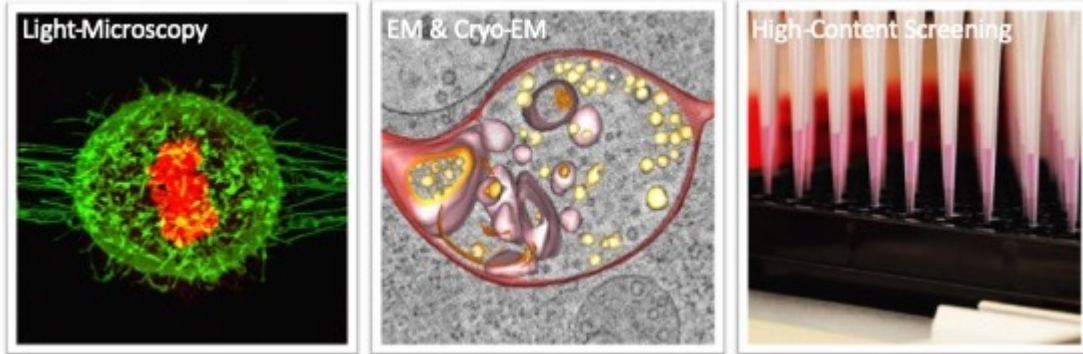
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**La Plateforme d'Imagerie Cellulaire et Tissulaire (PICT) fournit des services, des formations et des innovations technologiques en imagerie cellulaire aux communautés scientifiques académiques et privées, dans les domaines des sciences de la vie et de la santé.**



La plateforme est labélisée "infrastructure en Biologie Santé et Agronomie" (IBISA) et membre des infrastructure France-BioImaging & Euro-Bioimaging.

Notre expertise concerne l'imagerie multi-échelle de la molécule à l'organisme dans le domaine de la recherche sur le Cancer. Le centre d'imagerie est composé de 3 pôles: microscopie photonique, microscopie électronique & CryoEM et criblage à haut-contenu (HCS, Biophenics).



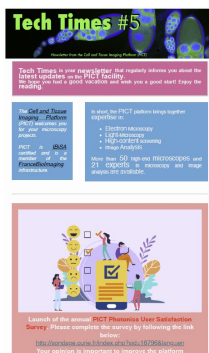
### Missions

- Mettre à disposition des technologies de pointe et une expertise en microscopie photonique, électronique & CryoEM, HCS (Biophenics) et analyse d'images,
- Offrir aux utilisateurs une formation, de l'aide et des conseils,
- Réaliser des développements techniques, méthodologiques et logiciels,
- Collaborer à des projets scientifiques et technologiques,
- Participer à la diffusion des connaissances (formations, congrès, portes ouvertes, etc) au niveau national et international.

La plateforme est ouverte à tous les chercheurs, internes et externes à l'Institut Curie.

### Newsletter

<p>Tech Times #9</p> <p>Tech Times is your newsletter that regularly informs you about the latest updates on the PICT Facility.</p> <p><b>The Cell and Tissue Imaging Platform (CTIP) is now open for public access!</b></p> <p>• Electron microscopy • High-content screening • Image Analysis</p> <p>More than 500 high-end microscopes and 21 EXPOSURE in microscopy and image analysis are available.</p> <p>David Lecoq has published a review on cryo-EM for 2021. The project is currently being reviewed by the approval team in charge of our access request on the web. (Lecoq, D. et al., Cryo-electron microscopy for a new vision of biological processes, <i>Nature Reviews Molecular Cell Biology</i>, 2021)</p>	<p>Tech Times #8</p> <p>Tech Times is your newsletter that regularly informs you about the latest updates on the PICT Facility. Welcome to springtime!</p> <p><b>The Cell and Tissue Imaging Platform (CTIP) is now open for public access!</b></p> <p>• Electron microscopy • High-content screening • Image Analysis</p> <p>More than 500 high-end microscopes and 21 EXPOSURE in microscopy and image analysis are available.</p> <p>Technological progress, the need to understand your genetic background and the impact of the environment are available as an online platform for researchers. The online platform is available at <a href="http://www.pict-curie.fr">www.pict-curie.fr</a> and <a href="http://www.pict-curie.fr">www.pict-curie.fr</a> to be used.</p>	<p>Tech Times #7</p> <p>Tech Times is your newsletter that regularly informs you about the latest updates on the PICT Facility. Welcome to springtime!</p> <p><b>The Cell and Tissue Imaging Platform (CTIP) is now open for public access!</b></p> <p>• Electron microscopy • High-content screening • Image Analysis</p> <p>More than 500 high-end microscopes and 21 EXPOSURE in microscopy and image analysis are available.</p> <p>Technological progress, the need to understand your genetic background and the impact of the environment are available as an online platform for researchers. The online platform is available at <a href="http://www.pict-curie.fr">www.pict-curie.fr</a> and <a href="http://www.pict-curie.fr">www.pict-curie.fr</a> to be used.</p>	<p>Tech Times #6</p> <p>Tech Times is your newsletter that regularly informs you about the latest updates on the PICT Facility. Welcome to springtime!</p> <p><b>The Cell and Tissue Imaging Platform (CTIP) is now open for public access!</b></p> <p>• Electron microscopy • High-content screening • Image Analysis</p> <p>More than 500 high-end microscopes and 21 EXPOSURE in microscopy and image analysis are available.</p> <p>Technological progress, the need to understand your genetic background and the impact of the environment are available as an online platform for researchers. The online platform is available at <a href="http://www.pict-curie.fr">www.pict-curie.fr</a> and <a href="http://www.pict-curie.fr">www.pict-curie.fr</a> to be used.</p>
<p>Oct 2021</p>	<p>Juin 2021</p>	<p>March 2021</p>	<p>Dec 2020</p>



Sept 2020

### Actualités

Deux articles récemment publiés :

- *Júlia Torné, Dominique Ray-Gallet, Ekaterina Boyarchuk, Mickaël Garnier, Patricia Le Baccon, Antoine Coulon, Guillermo A. Orsi & Geneviève Almouzni.*  
**Two HIRA-dependent pathways mediate H3.3 de novo deposition and recycling during transcription**  
*Nature Structural & molecular biology* : <https://doi.org/10.1038/s41594-020-0492-7>
- *Aurélié Bertin , Nicola de Franceschi , Eugenio de la Mora , Sourav Maiti, Maryam Alqabandi, Nolwen Miguet, Aurélié di Cicco, Wouter H. Roos, Stéphanie Mangenot , Winfried Weissenhorn, Patricia Bassereau*  
**Human ESCRT-III polymers assemble on positively curved membranes and induce helical membrane tube formation**  
*Nature Communications* : 11 : 2663 : [DOI : 10.1038/s41467-020-16368-5](https://doi.org/10.1038/s41467-020-16368-5)

### Historique de la plateforme....

La PICT de l'Institut Curie a été officiellement reconnue comme plate-forme opérationnelle en sciences de la vie (coordination des plateformes d'imagerie cellulaire RIO) en 2003. Cette reconnaissance a été renouvelée par la labellisation de la PICT par le GIS IBISA (Infrastructure in biology, health and agronomy – <https://www.ibisa.net/>) en 2008. La PICT-IBISA est membre de l'infrastructure France-BioImaging (<https://france-bioimaging.org/>) depuis 2011.

Depuis 2007, en étroite collaboration avec Nikon France, Nikon BV et d'autres partenaires industriels, la plateforme héberge et gère également le Nikon Imaging Centre @ Institut Curie-CNRS (<http://nimce.curie.fr/>), l'un des trois centres de ce type en Europe, un des neuf dans le monde.

## Key publications

### Year of publication 2021

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Eugenio de la Mora, Manuela Dezi, Aurélie Di Cicco, Joëlle Bigay, Romain Gautier, John Manzi, Joël Polidori, Daniel Castaño Díez, Bruno Mesmin, Bruno Antony, Daniel Lévy. (2021 Jun 7)

**Nanoscale architecture of a VAP-A-OSBP tethering complex at membrane contact sites**

*Nature Communications* : [DOI : 10.1038/s41467-021-23799-1](https://doi.org/10.1038/s41467-021-23799-1)

### Year of publication 2020

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Domingues, L., I. Hurbain, F. Gilles-Marsens, J. Sirés-Campos, N. André, M. Dewulf, M. Romao, C. Viaris de Lesegno, A.S. Macé, C. Blouin, C. Guéré, K. Vié, G. Raposo, C. Lamaze, and C. Delevoye (2020 Jun 12)

**Coupling of melanocyte signaling and mechanics by caveolae is required for human skin pigmentation**

*Nature Communication* : 11 : 2988 (2020) : [DOI : 10.1038/s41467-020-16738-z](https://doi.org/10.1038/s41467-020-16738-z)

Aurélie Bertin , Nicola de Franceschi , Eugenio de la Mora , Sourav Maiti, Maryam Alqabandi, Nolwen Miguet, Aurélie di Cicco, Wouter H. Roos, Stéphanie Mangenot , Winfried Weissenhorn, Patricia Bassereau (2020 May 29)

**Human ESCRT-III polymers assemble on positively curved membranes and induce helical membrane tube formation**

*Nature Communications* : 11 : 2663 : [DOI : 10.1038/s41467-020-16368-5](https://doi.org/10.1038/s41467-020-16368-5)

François Dossin, Inês Pinheiro, Jan J Żylicz, Julia Roensch, Samuel Collombet, Agnès Le Saux, Tomasz Chelmicki, Mikaël Attia, Varun Kapoor, Ye Zhan, Florent Dingli, Damarys Loew, Thomas Mercher, Job Dekker, Edith Heard (2020 Feb 7)

**SPEN integrates transcriptional and epigenetic control of X-inactivation.**

*Nature* : 455-460 : [DOI : 10.1038/s41586-020-1974-9](https://doi.org/10.1038/s41586-020-1974-9)

### Year of publication 2019

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Gaëlle Boncompain, Nelly Gareil, Sarah Tessier, Aurianne Lescure, Thouis R Jones, Oliver Kepp, Guido Kroemer, Elaine Del Nery, Franck Perez (2019 Nov 5)



**BML-265 and Tyrphostin AG1478 Disperse the Golgi Apparatus and Abolish Protein Transport in Human Cells.**

*Frontiers in cell and developmental biology* : 232 : [DOI : 10.3389/fcell.2019.00232](https://doi.org/10.3389/fcell.2019.00232)

Gaelle Boncompain, Floriane Herit, Sarah Tessier, Aurianne Lescure, Elaine Del Nery, Pierre Gestraud, Isabelle Staropoli, Yuko Fukata, Masaki Fukata, Anne BreLOT, Florence Niedergang, Franck Perez (2019 Oct 31)

**Targeting CCR5 trafficking to inhibit HIV-1 infection.**

*Science advances* : eaax0821 : [DOI : 10.1126/sciadv.aax0821](https://doi.org/10.1126/sciadv.aax0821)