

Fluorescence Microscopy Workshop II on cutting-edge technologies

Institut Pasteur

Citech

Symposium March 14, 2017

Demonstrations March 13-17, 2017

09:00-09:15 Welcome

09:15-09:25	Christian Feuillet La Vision BioTec	UltraMicroscope 2: Light sheet Microscope at mesoscopic scale
09:25-09:45	Nicolas Rénier ICM, Paris	Mapping of brain activity and neuronal networks using light sheet
09:45-09:55	David Pointu GE	Super-Resolution at very high speed with the OMX SR
09:55-10:15	Pierre Mahou École Polytechnique	Mapping protein aggregation with super resolution microscopy
10:15-10:25	Christophe Dos Santos Arivis	Arivis Vision4D, the solution to visualize and analyse multidimensional terabyte data, ...

10:25-10:55 Coffee Break

10:55-11:05	Bruno Combettes Andor	Dragonfly, a new High Speed Confocal platform
11:05-11:25	Mylène Lancino Institut Pasteur	Exploring the emergence of Hematopoietic Stem/ Progenitor Cells from vascular endothelium in zebrafish
11:25-11:35	Georgia Golfs Bitplane	Imaris 8.4 for image analysis of complex & big images
11:35-11:55	Nicolas Goudin Necker	Hijacking Imaris tools for emerging applications
11:55-12:05	Marc Koch Bruker	Correlative and Statistical Localization Microscopy

12:05-12:55	Erik M. Jorgensen Howard Hughes Medical Institute	KEYNOTE: Imaging calcium channels at active zones using super-resolution microscopy
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12:55-14:00 Buffet Lunch

14:00-14:10	Clément Laigle Leica	Beyond the diffraction limit: Leica STED Nanoscopy
14:10-14:30	Camille Boutin IBDM, Marseille	STED and Multiciliated cells development
14:30-14:40	Michael Gué Zeiss	History and milestones of Laser Scanning Confocal Microscopy
14:40-15:00	Alexandre Boissonnas U1135 CIMI-Paris	Dynamic of the mononuclear phagocyte system in health and diseases: Insights from NLO imaging
15:00-15:10	Jordan Moser Nikon	New inverted microscope Ti2: see more than before

15:10-15:50	Laura Faure LCB CNRS UMR7283	KEYNOTE: The mechanism of force transmission at bacterial focal adhesion complexes
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15:50-16:20 Coffee Break

16:20-16:30	Luc Moog Coherent	New lasers for Imaging and Optogenetic – Applications
16:30-16:40	Nicolas Bourg Abbelight	Upgrade microscope to 3D nanoscopy device thanks to Abbelight instruments
16:40-17:00	Sandrine Lévêque-Fort Institut des Sciences Moléculaires d'Orsay	Supercritical angle fluorescence microscopy: a new strategy for dual depth imaging
17:00-17:10	Hervé Gautier Olympus	FLUOVIEW FV3000 confocal microscope
17:10-17:30		

17:30 Cocktail



UltraMicroscope 2,
Light sheet microscopy



DeltaVision OMX SR



arivis InViewR,
arivis Vision4D



Dragonfly spinning disk confocal for
life cell imaging



Imaris 8.4 Visualization and Quantification
imaging software



Ultima multiphoton
Vutara Super Resolution
Opterra Swept-field confocal



Leica TCS SP8 X with Hyvolution 2



Confocal LSM 880 Fast Airyscan II,
Cell Discoverer 7,
STED on upright microscope (by Abberior)



Inverted confocal microscope Ti2



Lasers for mutiphoton microscope,
Chameleon Ultra I and
Chameleon Vision II



Smart kit, 3D-light software,
AB-light module



FLUOVIEW FV3000
confocal microscope

Practical information

Institut Pasteur, 28 rue du Dr. Roux, 75015 Paris, France

Symposium: **Centre François Jacob**

Demonstrations: Education Center / Citech (Centre François Jacob)

Free mandatory **registration** either for the conference or demonstrations
online : <https://tinyurl.com/Microscopy-workshop>.

Web site: <https://tinyurl.com/FMWII-web-site>

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Organizers

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