



France-BioImaging Annual Meeting 2024

Live functional imaging: From chemical synthesis of the probes to instrumentation

November 20th-21st, 2024

Venue: Auditorium, Bibliothèque Nationale et Universitaire (BNU) de Strasbourg
[6 Pl. de la République. 67000 Strasbourg](#)

Programme

Wednesday, November 20th, 2024


08:30 - 12:00	Visit of facilities and R&D teams in Strasbourg & Illkirch <ul style="list-style-type: none">• Campus Illkirch/QuEST• Campus Esplanade/PIV• Campus Hôpital Civil/PIC-STRA <p>Description of the sites is available here</p>
12:00 - 13:00	Registration Booth & Lunch • BNU Hall & Cafeteria (PRM OK)
13:00 - 13:10	Opening day 1 FBI & Noeud Alsace
13:10 - 13:40	France-BioImaging: Latest news and opportunities - Edouard Bertrand & René-Marc Mège
13:40-14:00	Alsace Node presentation - Yves Mély
14:00-14:20	Normandie Node Presentation - Isabelle Bardou
14:20-14:40	Rhône-Alpes Node Presentation - Olivier Destaing
14:40-15:00	Euro-BioImaging Presentation - Marianna Childress Poli
15:00-16:00	Coffee break / poster session
16:00-17:00	Tech Transfer projects pitches - updates and feedback <ul style="list-style-type: none">• Cyril Favard, MAPS project, Noeud Montpellier, AO R&D 2023• Corinne Lorenzo (projet Laurent Malaquin), 3DLIGHTiss project, Noeud Toulouse, AO R&D 2023• Josephine Morizet (projet Laurent Bourdieu), TempFoCash project, Noeud PC, AO R&D 2023• Steven Nedellec, Smart Microscopy project, Noeud Bretagne-Loire, AO R&D 2024

	<ul style="list-style-type: none"> • Claire Boulogne, V-MembO project, Noeud IdF-Sud, AO R&D 2024 • Mathieu Fallet, Extending the number of colors usable in spectral confocal microscopy project, Noeud Marseille, AO R&D 2024 • Ludovic Richert, FLIM-UV project, Noeud Alsace, AO R&D 2024
17:00-17:20	Biolmage Informatics Node - Charles Kervrann & Jean-Yves Tinevez
17:20-17:40	FBI Deep Learning Challenge - Dorian Kauffmann
17:40-18:00	GerBi presentation - Roland Nitschke
18:00	Wrap-up of day 1
18:30	Social Event <ul style="list-style-type: none"> • Alsace Wine tasting (100 attendees max) • Visit in French of the old town from the cathedral to the Petite France (2 x 25 attendees max)
20:00	Dinner <ul style="list-style-type: none"> • Maison Kammerzell (PMR OK) 16 Pl. de la Cathédrale, 67000 Strasbourg

Thursday, November 21st, 2024

08:15 - 08:30	Registration Booth <ul style="list-style-type: none"> • BNU Hall
	<i>Live functional imaging: From chemical synthesis of the probes to instrumentation</i>
8:30	R&D #1 Alsace: Fluorescent Molecular Probes for Biomembranes and Organelles. Andrey S. Klymchenko (Team Klymchenko)
8:45	R&D #2 Alsace : Integrated development of fluorescent/luminescent labels with microscopy modalities. Frédéric Przybilla (Team Mély)
9:00	Selected Talk #1: Synthesis and application of various fluorescent and profluorescent dyes. Xavier Franck (Normandie Node)

9:10	Selected Talk #2 : The roboscope: smart automated microscopy, a new tool for High Content Screening of complex quantitative fluorescence microscopy methods. Marc Tramier (Bretagne-Loire Node)
9:20	Selected Talk #3 : Molecular, morphological and functional profiling of human astrocytes in air-liquid interface cortical organoids. Martin Oheim (Paris-Centre Node)
9:30	R&D #3 Alsace : splitSMLM, a spectral demixing method for high-precision multi-color localization microscopy. Rafael Schoch (Team Klaholz)
9:45	R&D #4 Alsace : Tomographic Diffractive Microscopy : Principles, Development and Perspectives. Olivier Haerberlé (Team Haerberlé)
10:00	Selected Talk #4 : Fluorescence to measure light intensity. Aliénor Lahlou (Paris-Centre Node)
10:10	Selected Talk #5 : Non-covalent reversibly photoswitchable fluorescent proteins: Development and implementation. Yuriy Shpinov / Mrinal Mandal (Paris-Centre Node)
10:20	Selected Talk #6 : Expanding the protein-based fluorescent probe toolkit for advanced synapse imaging. Matthieu Sainlos (Bordeaux Node)
10:20 - 10:50	<i>Coffee break/ poster session</i>
10:50 - 11:50	Keynote Speaker: Single molecule microscopy as a quantitative tool for biochemical and cell biological in vivo studies in (micro)biology - Ulrike Endesfelder (Bonn University, Institute for Microbiology and Biotechnology, Germany)
11:50	R&D #5 Alsace : Coordination complexes and assemblies for biomedical application, photovoltaic and quantum information processing. Aline Nonat (Team Charbonnière)
12:05	R&D #6 Alsace : Optical elastography using SO-FFOCT. Amir Nahas (Team Lecler)
12:20	Selected Talk #7 : Imaging down to μs range luminescence kinetics with standard cameras through periodic light modulations. Ian Coghill & H�el�ene Merceron (Paris-Centre)
12:30	Selected Talk #8: Live-cell imaging of tunneling nanotubes through Red/Near-Infrared dye labeling and Lifetime-based strategies. Magalie B�enard (Normandie Node)
12:30 - 14:00	<i>Group Photo Lunch / poster session</i>

	 BNU Hall & Cafeteria
14:00 - 15:00	Keynote Speaker: <i>Lanthanide bioprobes for two-photon microscopy imaging: from chemical design to instrumentation limits.</i> Olivier Maury (ENS Lyon, Laboratoire de chimie)
15:00 - 16:00	Round table/open desk: Chemistry and bioimaging
16:00 - 16:15	Round table conclusions
16:15 - 16:30	Wrap-up & Farewell