



FRANCE-BIOIMAGING

# France-BioImaging Annual Meeting 2026

« Multimodalities for organ and organism imaging »

**March 12<sup>th</sup> & 13<sup>th</sup>, 2026**

Venue: CURIB building of the Faculty of Sciences at the University of Rouen, Place Emile Blondel, Mont-Saint-Aignan

## Programme

**Thursday, March 12<sup>th</sup>, 2026**

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| 9:00 - 10:30  | <b>Visit of PRIMACEN facility or Talk-Demo “On-site Liquid Nitrogen production”, F. Palgé (F-DGSI)</b>                                                                                                                                                                                                                                                                                       |
| 10:00 - 10:30 | <b>Registration</b><br>📍 CURIB building (PRM OK)                                                                                                                                                                                                                                                                                                                                             |
| 10:30 - 10:40 | <b>Opening remarks Day 1</b> - France-BioImaging & Normandie Node representatives: René Marc Mège (Director of UAR FBI-Core UAR2057 UM CNRS), Pr Vincent Richard (VP University of Rouen Normandie)                                                                                                                                                                                          |
| 10:40 - 11:00 | <b>France-BioImaging: Latest news</b> - René Marc Mège                                                                                                                                                                                                                                                                                                                                       |
| 11:00 - 11:20 | <b>Normandie Node overview</b> - Ludovic Galas/Isabelle Bardou                                                                                                                                                                                                                                                                                                                               |
| 11:20 - 12:00 | <b>Building Synergies for Industry–Science Cross-Collaboration Session</b> <ul style="list-style-type: none"><li>● <b>FBI as a Service Provider and Industry Partner</b><br/><i>Samy Al-Bourgol</i></li><li>● <b>Case Study – Project “cSMART” (PRIMACEN &amp; Alga Biologics)</b><br/><i>Muriel Bardor</i><br/>Innovative partnership model between academic imaging and biotech.</li></ul> |
| 12:00-13:00   | <b>Lunch</b>                                                                                                                                                                                                                                                                                                                                                                                 |
| 13:00-14:20   | <b>Education &amp; Capacity Building in Bioimaging Session</b> <ul style="list-style-type: none"><li>● <b>Master Degree in Cell Imaging, European Partnership</b><br/><i>Delphine Burel</i></li><li>● <b>Master Degree in Biomedical Imaging, Turku, Finland</b><br/><i>Kari Vienola, University of Turku</i></li></ul>                                                                      |

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|                                                                              | <ul style="list-style-type: none"> <li>● <b>Next-Generation Training Material &amp; FAIR Principles</b><br/><i>Fabrice Cordelières</i></li> <li>● <b>Euro-Biolmaging Industry Board initiatives: focus on the internship collaboration and industry job shadowing pilot</b><br/><i>Claudia Pfander, Euro-Biolmaging</i></li> </ul> |
| 14:20 - 14:35                                                                | <b>FBI Data</b> - <i>Guillaume Gay</i>                                                                                                                                                                                                                                                                                             |
| 14:35 - 14:50                                                                | <b>OpenCID</b> - <i>Raphaël Braud Mussi</i>                                                                                                                                                                                                                                                                                        |
| 14:50 - 15:20                                                                | <b>Coffee break</b>                                                                                                                                                                                                                                                                                                                |
| 15:20 - 15:35                                                                | <b>FB-IAS</b> - <i>Anne Sophie Macé/Arthur Meslin</i>                                                                                                                                                                                                                                                                              |
| 15:35 - 15:50                                                                | <b>Challenges</b> - <i>Dorian Kauffmann</i>                                                                                                                                                                                                                                                                                        |
| <b>Scientific Meeting « Multimodalities for organ and organism imaging »</b> |                                                                                                                                                                                                                                                                                                                                    |
| 15:50 - 15:55                                                                | Introduction                                                                                                                                                                                                                                                                                                                       |
| <b>15:55 – 16:45</b>                                                         | <b>Scientific Session 1 - Plant and Invertebrates</b><br>(20 min each: 15 min talk + 5 min Q&A)                                                                                                                                                                                                                                    |
| 15:55 – 16:15                                                                | <b>Systematic 3D analysis of metaphase cells and spindles in the root of <i>Arabidopsis thaliana</i></b> - <i>Jasmine Burguet, Ile-de-France Sud Node, IJPB</i>                                                                                                                                                                    |
| 16:15-16:35                                                                  | <b>Electron Microscopy approaches dedicated to <i>Drosophila</i> and <i>C. elegans</i> studies</b> - <i>Nicolas Brouilly, Marseille Node, IBDM, Aix-Marseille Université</i>                                                                                                                                                       |
| 16:45-17:15                                                                  | <b>Keynote speaker: Marie Walde - Recent Advances and Challenges in Imaging Marine Organisms</b> , <i>Roscoff Culture Collection (FR2424), Station Biologique de Roscoff, CNRS &amp; Sorbonne Université, EMBRC-FR Research Infrastructure</i><br>20 min talk + 10 min discussion                                                  |
| 17:15-17:20                                                                  | <b>Wrap-up of day 1</b>                                                                                                                                                                                                                                                                                                            |
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| 18:30                                                                        | <b>Social Event</b><br>📍 <b>Cité Immersive Viking, 105 bis All. François Mitterrand, Rouen, (PRM OK)</b>                                                                                                                                                                                                                           |
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| 20:00                                                                        | <b>Dinner</b><br>📍 <b>Pintxos, 105 All. François Mitterrand Hangar 105, Rouen, (PRM OK)</b>                                                                                                                                                                                                                                        |

Friday, March 13<sup>th</sup>, 2026

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| 08:30 – 09:00        | <b>Registration &amp; Welcome Coffee</b><br> CURIB building (PRM OK)                                                                                                                               |
| 09:00 – 09:10        | Opening remarks day 2                                                                                                                                                                                                                                                               |
| <b>09:10 – 11:50</b> | <b>Scientific Session 2 - Brain</b><br><i>(5 presentations — 20 min each: 15 min talk + 5 min Q&amp;A)</i>                                                                                                                                                                          |
| 09:10 – 09:30        | <b>Contribution of volume EM techniques (SBF-SEM and FIB-SEM) to high-resolution 3D cellular imaging</b> - Xavier JAURAND, <i>Rhône-Alpes Node, Centre Technologique des Microstructures, Université Claude Bernard Lyon1</i>                                                       |
| 09:30 – 09:50        | <b>Shedding light on neuronal and synapse structures using multiscale 3D STED imaging on thick brain tissue</b> - Lydia Danglot, <i>Paris Centre Node, Neurlmag Imaging Facility, Institut de Psychiatrie et Neurosciences de Paris (IPNP), Inserm U1266, Université Paris Cité</i> |
| 09:50 – 10:10        | <b>Exploring whole mouse brain with tissue optical clearing</b> - Jérémy Teillon, <i>Bordeaux Node, Bordeaux Imaging Center UAR3420 CNRS - Université Bordeaux - US4 INSERM</i>                                                                                                     |
| 10:10 – 10:30        | <b>Multiscale Correlative Imaging of Post-Stroke Microvascular Pathology by Intravital Two-Photon and Nanoscale 3D Microscopy</b> - Igor Khalin, <i>Normandie Node, Inserm-UniCaen UMR-S U1237 PhIND, Blood and Brain at Caen Normandie Institute (BB@C)</i>                        |
| 10:30 - 10:50        | <b>Multimodal in vivo imaging of the tissue microenvironment in a neuro-endocrine system</b> - Chrystel Lafont, <i>Montpellier Node, IPAM facility, Institut de Génomique Fonctionnelle (CNRS UMR 5203 - INSERM U1191 - Univ. Montpellier)</i>                                      |
| 10:50 - 11:20        | <b>Coffee break</b>                                                                                                                                                                                                                                                                 |
| 11:20 - 11:50        | <b>Keynote speaker: Maxime Gauberti - Immuno-MRI</b> , <i>Inserm-UniCaen UMR-S U1237 PhIND, Blood and Brain at Caen Normandie Institute (BB@C), France Life Imaging Research Infrastructure</i><br>20 min talk + 10 min discussion                                                  |
| <b>11:50 – 12:50</b> | <b>Industry Focus: Multimodal Bioimaging Strategies</b><br><i>(Total: 1 hour, includes short talks + discussion)</i><br>Chairs: Cédric Matthews et Damien Schapman                                                                                                                  |

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| 11:50 – 12:00        | Introduction to the Industrial Session                                                                                                                                                                                                                                                                                 |
| 12:00 – 12:10        | Industry Talk 1 (7 + 3 min)                                                                                                                                                                                                                                                                                            |
| 12:10 – 12:20        | Industry Talk 2 (7 + 3 min)                                                                                                                                                                                                                                                                                            |
| 12:20 – 12:30        | Industry Talk 3 (7 + 3 min)                                                                                                                                                                                                                                                                                            |
| 12:30 – 12:50        | Open Discussion with Industrial Partners                                                                                                                                                                                                                                                                               |
| 12:50 - 14:20        | <b>Group Photo</b><br><b>Lunch</b><br> CURIB Hall                                                                                                                                                                                     |
| <b>14:20 – 15:20</b> | <b>Scientific Session 3 - Muscle, Heart, Lung</b><br>(3 presentations — 15 + 5 min)                                                                                                                                                                                                                                    |
| 14:20 – 14:40        | <b>Clearing and analysis of mouse muscles for fiber segmentation and nucleus positioning in nuclear myopathies</b> - Sébastien Herbert, <i>Alsace Node, Imaging Center of the IGBMC</i>                                                                                                                                |
| 14:40 – 15:00        | <b>Imaging the invisible - cardiac lymphatics in health and disease</b> - Ebba Brakenhielm, <i>Normandie Node, Rouen Institute for Research and Innovation in Biomedicine (Inserm U1096), University of Rouen</i>                                                                                                      |
| 15:00 – 15:20        | <b>Intravital lung microscopy unveils T cell dynamics in mouse tuberculosis lesions</b> - Léa Fromont, <i>Toulouse Node, IPBS</i>                                                                                                                                                                                      |
| <b>15:20 – 16:20</b> | <b>Scientific Session 4 - Intestine, Liver</b><br>(3 presentations — 15 + 5 min)                                                                                                                                                                                                                                       |
| 15:20 – 15:40        | <b>Longitudinal imaging of vascularized hepatic spheroids after ectopic implantation in a mouse model of chronic liver disease</b> - Juri Aparicio Arias - <i>Montpellier Node, IPAM facility, Institut de Génomique Fonctionnelle (CNRS UMR 5203 - INSERM U1191 - Univ. Montpellier)</i>                              |
| 15:40 – 16:00        | <b>Multimodal Analysis of Fibrous Nests in Human Hepatocellular Carcinomas Using Spatial Transcriptomics, a 62-Antibody Immune Oncology Multiplex Panel, Raman Spectroscopy, and Second Harmonic Generation</b> - Anthony Sebillot, <i>Bretagne-Loire Node, H2P2 facility, Biosit (UMS/UAR CNRS 3480 - INSERM 018)</i> |
| 16:00 – 16:20        | <b>3D tissue architecture of Vibrio cholerae infection : ultrastructural analysis by serial block-face scanning electron microscopy in the larval intestine of</b>                                                                                                                                                     |

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|                      | <b>zebrafish</b> - Manuel Majrouh, <i>Paris Centre Node, Plateforme de BioImagerie Ultrastructurale, Institut Pasteur</i> |
| <b>16:20 – 16:25</b> | <b>Closing Remarks &amp; Farewell</b>                                                                                     |
| <b>16:30</b>         | <b>Visit of PRIMACEN facility</b>                                                                                         |