

BIC's 15th Anniversary

September 27th 2024

Program

8h45 Welcoming of participants

9h00 Bordeaux Imaging Center introduction

Introduction of the BIC foundation 15 years ago by Daniel Choquet, followed by the academic institutions representatives and partner's.

- Welcome address: Daniel Choquet (BIC, Bordeaux)
- Dean Lewis (President of the University of Bordeaux and host of the event)
- Richard Salives (INSERM Regional delegate)
- Bruno Lucas (Scientific adjunct director for infrastructures, CNRS)
- Alain Rousset (President of the Région Nouvelle-Aquitaine)

10h00 Scientific session 1- Optic Microscopy- Chaired by Mathieu Ducros.

10h00 **Aude Panatier** - Neurocentre Magendie (NCM, Bordeaux)

Imaging glial cells from morphology to function

10h20 **Laurent Groc**- Institut Interdisciplinaire de Neurosciences (IINS, Bordeaux)

Imaging neuronal communication from molecule to cell

10h40 Coffee Break

11h00 Scientific session 2- Electron Microscopy- Chaired by Melina Petrel.

11h00 **Christophe Grosset** - Bordeaux Institute of Oncology (BRIC, Bordeaux)

Exploring tumor tissue architecture by volume electron microscopy, applied mathematics and AI

11h20 **Marie-Pierre Isaure** - Institut des Sciences Analytiques et de Physico-chimie pour l'Environnement et les Matériaux (IPREM, Pau)

Multimodal imaging and spectroscopy approach to study Hg transformations by bacteria

11h40 **Christopher Peddie** - Francis Crick Institute (RMS, Royal Microscopy Society)

Volume electron microscopy: a multimodal odyssey

12h25 Industrial session- Chaired by Sébastien Marais.

5 min talk by **Abbelight, Leica, Idylle, Oxxius, Zeiss et Spark lasers**

13h05 Lunch / buffet

14h15 **Ilaria Testa** - Science for Life Laboratory (KTH, Karolinska Institutet Science Park).

Capturing the motion of proteins at the nanoscale with photoswitching

15h00 Scientific session 3- Correlative Microscopy- Chaired by Lysiane Brocard.

15h00 **Harald Wodrich** - Microbiologie Fondamentale et Pathogénicité (MFP, Bordeaux)

From Pixels to Breakthroughs, how the BIC focused my career



- 15h20 **Emmanuelle Bayer** - Laboratoire de Biogenèse Membranaire (LBM, Villenave d'Ornon)
The Green Whisper: How microscopy unveils the secrets of cell-cell communication in plants
- 15h40 **Olivier Thoumine** - Institut Interdisciplinaire de Neurosciences (IINS, Bordeaux)
Imaging synapse development: from 2-photon glutamate uncaging to correlative light-electron microscopy

16h00 Coffee Break

16h20 Scientific session 4- R&D at the BIC- Chaired by Mónica Fernández Monreal.

- 16h20 **Fanny Decoeur/Pierre Dupuis-** (BIC/L'Oréal)
Undercovering 3D structure of Human Hair Fiber
- 16h40 **Mathieu Ducros /Fabrice Harms** (BIC/Imaging Optics)
3D Single Molecule Localisation Microscopy in Brain Slices with Adaptive Optics Lattice Light Sheet Microscopy
- 17h00 **Lysiane Brocard/ Clément Chambaud** (BIC)
Implementation of the In Resin fluorescence method for plant tissues

17h30 Closing remarks by Daniel Choquet

Wine and Cheese

