

BIC's 15th Anniversary

Septembre 27th 2024

Program

9h00-10h00 Bordeaux Imaging Center introduction

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

10h00 Scientific session 1- Optic Microscopy

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

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

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

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

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** (BIC)

TBD

17h30 Closing remarks by Daniel Choquet

Wine and Cheese



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