

# BIC's 15<sup>th</sup> Anniversary

## 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 Neuroscience (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 Biogénèse 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 Neuroscience (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)

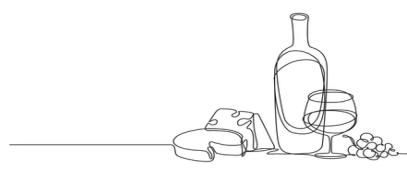
*3D Single Molecule Localisation Microscopy in Brain Slices with Adaptive Optics Lattice Light Sheet Microscopy*

17h00 Lysiane Brocard (BIC)

*TBD*

17h30 Closing remarks by Daniel Choquet

### Wine and Cheese



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