



**MITI**

Mission pour les Initiatives  
Transverses et Interdisciplinaires



**FRANCE-BIOIMAGING**

# Expansion Microscopy workshop

## Protocols and applications

October 2<sup>nd</sup> 2023

Centre Broca Nouvelle-Aquitaine, 146 rue Léo Saignat, 33076 Bordeaux

Amphithéâtre Broca

### PROGRAM

9-9h30 : Welcome to participants- FBI member presentation - Bordeaux Node-BIC.

9h30 : Introduction of WG Expansion.

9h45 : Session 1 : Innovative protocols in ExM- Chaired by Jim Dompierre.

**Marine Laporte-** Institut NeuroMyoGène, Université Claude Bernard, Lyon.

Visualizing the native cellular organization by coupling cryo-fixation with expansion microscopy (Cryo-ExM).

10h30 : Coffe break.

11h: Short talks.

12h : Lunch (on-site buffet) and posters.

13h30 : Session 2 : Chemistry of expansion hydrogels- Chaired by Sophie Abélanet.

**Sven Truckenbrodt-** E11 Bio, Alameda, California, US.

Rational design for expansion microscopy: what makes polymers gel and swell?.

14h15 : Short talks.

14h45 : Coffe break and posters.

15h15 : Session 3 : ExM combined to omics- Chaired by Eric Denarier.

**Maxence Wisztorski-** University of Lille, Inserm, CHU Lille, U1192.

Toward High Spatially Resolved Proteomics Using Expansion Microscopy.

16h : Short talks.

17h : Cheese and wine discussion (upon sponsors).