

# 2022 FBI-AF



FRANCE-BIOIMAGING

ImaBio

ADVANCED TRAINING ON

## “MULTISCALE FLUORESCENCE IMAGING:

*from molecules to  
tissues”*



*Seminars*

### INVITED SPEAKERS

E. Beaurepaire (FR)  
G. Bertolin (FR)  
J. Bewersdorf (USA)  
P. Dedecker (BE)  
C. Deo (DE)  
M. Erard (FR)  
R. Henriques (PT)

C. Leterrier (FR)  
S. Lévêque-Fort (FR)  
G. Quintas (CH)  
G. Recher (FR)  
L. Schermelleh (UK)  
J.B. Sibarita (FR)



*Workshops*

### HANDS-ON TRAINING AT FBI FACILITIES

- Micro UV-irradiation & Single Particle Tracking in living cells
- Spectral multiphoton microscopy, signal unmixing with FLIM contrast
- SMLM multi-color: from sample preparation to quantification
- FRET-based molecular tension sensors and FLIM
- Imaging of cellular ultrastructures with expansion microscopy
- Light sources for optogenetics
- Non-classical genetically modified fluorescent probes for biological imaging
- SIM, STED or STORM? From sample prep to 3D imaging
- 3D STED : Comparing flat cells vs thick samples
- Culturing and imaging multicolour 3D live brain organoids
- Fast live 3D imaging with Z resolution preservation
- 3D Imaging biological structures using double helix-STORM and 3D-SIM

### ORGANIZING COMMITTEE

X. Baudin	D. Geny	R.M. Mège
N. Borghi	C. Guedj	F. Niedergang
P. Bourdoncle	L. Jullien	A. Salles
L. Danglot	M. Lelek	

**NOVEMBER 21-25, 2022, PARIS**

**MORE INFORMATION ON: [WWW.FRANCE-BIOIMAGING.ORG](http://WWW.FRANCE-BIOIMAGING.ORG)**