



Optical challenges in thick & complex tissue imaging : new development for neuroscience and organoids

Registration on : <https://forms.gle/y1bhJmFKSprDdcMT9>



Wednesday, 1st of June 2022

10h00 : Introduction to Imabio and Ondes GDR

10h30 : Sandrine Levêque Fort : Time modulated excitation for in depth single molecule localization microscopy

11h15 : Short-talk (15 min) selected on abstract

11h35 : Dorian Bouchet : Optimal information extraction from complex scattering media with coherent light.

12h20 : Short-talk (15 min) selected on abstract

12h40- 14h00 : Lunch buffet

14h00 : Katrin Willing : Long-term and multi-color in vivo STED microscopy

14h45 : Short-talks selected on abstract

15h25 : Peter dedecker : Fast and sensitive imaging using a simple 'TriScanner' microscope

16h10 : Coffee Break

16h30 : Short-talk (15 min) selected on abstract

17h10 : Markus Sauer : Molecular resolution fluorescence imaging

18h00 : end of the 1st day meeting

Thursday, 2nd of June 2022

9h15 : Fanny Jaulin : Imaging organoids for fundamental research and clinical applications

10h00 : Short-talks (30 min) selected on abstract

10h40 : Coffee Break

11h00 : Stephane dieudonné : Reading brain's electrical activity with genetically-encoded voltage indicators (GEVIs) and random-access two photon microscopy in awake mice.

11h45 : Short-talks (30 min) selected on abstract

12h25- 14h00 : Lunch buffet

14h00 : Olivier Thouvenin: Label-free imaging: Spatial, spectral, and temporal photons filtering : applications to retina and organoids

14h45 : Short-talks (30 min) selected on abstract

15h45 : Coffee Break

16h05 : Koen Oost : Elucidating human intestinal regeneration using patient derived organoids

16h50 -17h30: Short-talks (30 min) selected on abstract

17h30 : end of the meeting