

PROGRAM

- 9:00-9:15 Introduction
Julie Perroy, HiLight PTL Manager
- 9:15-10:00 Chairperson: Julie Perroy, IGF
Keynote - Lukas Kapitein, Utrecht University
Using light to dissect and direct cellular organization and dynamics
- 10:00-10:20 Chairperson: Marion Peter, IRCM
Ashley Nord, CBS
Tools for investigating bacterial motility, biofilm formation, and aerosol transport
- 10:20-10:40 **Pierre Sicard, PhyMedExp**
Exploring Brain-Heart Dynamics Under Hypoxic Conditions Using Ultrasound and Photoacoustic Imaging in Murine Models
- 10:40-11:00 **Pierre Vincent, IGF**
Genetically-encoded biosensor to image intracellular events in living cells
- 11:00-11:20 **Aurélien Fouillen, IGF**
Bringing GPCR structural biology to a new level: from isolated particles to a native cellular environment
- 11:20-11:40 Break
- 11:40-12:25 Chairperson: Raphaël Gaudin, IRIM
Keynote - Jean-Christophe Olivo-Marin, Institut Pasteur
Biolmage Analysis: Methods, Tools and Applications
- 12:25-13:45 Lunch break
- 13:45-14:05 Chairperson: Marie-Pierre Blanchard, MRI
Ovidiu Radulescu, LPHI
Physical Modeling and AI for Reconstructing the Tumor Microenvironment
- 14:05-14:25 **Marta Radman-Livaja, IGMM**
Quantifying Protein Inheritance with Live Cell Imaging
- 14:25-14:45 **Patrick Lemaire, CRBM**
Digital ascidian embryos: natural variation and the logical rules of animal embryogenesis
- 14:45-15:05 Survey feedback
Karine Loulier, INM
- Roundtable discussion - Mounia Lagha, IGMM
Imaging of living organisms
- Roundtable discussion - Angelo Torrente, IGF
Developing multiparametric approaches
- Roundtable discussion - Pierre-Emmanuel Milhiet, Director of the BioHealth Cluster
Promoting the study of endogenous systems
- 16:55-17:00 Closing remarks