

Quantitative Microscopy

October 18th, 2024

Auditorium François Jacob, Institut Pasteur, Paris, France

09:00 **Welcome address**
Optics developers at Institut Pasteur

09:05 **Sophie BRASSELET**
Institut Fresnel, Marseille, France
Polarization Microscopy and Molecule Orientation

09:40 **Jean-Baptiste SIBARITA**
IINS, Bordeaux, France
Quantification of Single Molecule Localisation Imaging

10:15 **Gregory GIANNONE**
IINS, Bordeaux, France
Super-resolution microscopy, single protein tracking and quantitative image analysis

10:50 **COFFEE BREAK**

11:10 **Alienor LAHLOU**
ENS-Sony CSL, Paris, France
Measuring Light Intensity through fluorescence

11:45 **Hervé RIGNAULT**
Institut Fresnel, Marseille, France
Label-free Molecular imaging using Stimulated Raman Microscopy

12:20 **LUNCH BREAK**

14:00 **KEYNOTE: Robert PREVEDEL**
EMBL, Heidelberg, Germany
Visualizing mechanical properties in biology using Brillouin microscopy

15:00 **COFFEE BREAK**

15:30 **Kurt ANDERSON**
Francis Crick Institute, London, UK
Quantitative Methods for Confocal Microscopy

16:05 **Guillaume BAFFOU**
Institut Fresnel, Marseille, Paris
Quantitative phase imaging for living systems

16:40 **Erik SCHAFFER**
ZMBP University of Tübingen, Tübingen, Germany
Dissecting the Gait of Molecular Motors : Ultraresolution Optical Trapping

17:15 **COCKTAIL**



REGISTRATION (Free but mandatory : flash the QR code)

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