

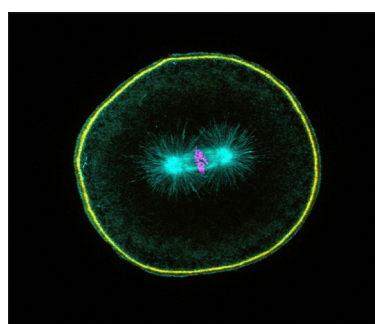
Inserm Workshop 257

To better identify the contributions and limitations of light microscopy techniques with regard to a biological question

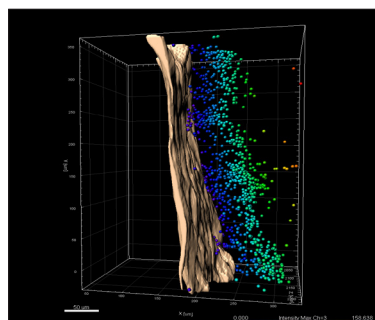
REGISTRATION DEADLINE: June 28, 2019

ORGANIZERS: Xavier BAUDIN (Institut Jacques Monod, Paris), Tristan PIOLOT (Collège de France, Paris), Olivier RENAUD (Institut Curie, Paris)

AIM: The aim of this workshop is to show the diverse applications of light microscopy in biology. We will highlight imaging methodologies and their pitfalls in relation to biological applications. We will cover a range of topics from image acquisition to analysis.



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● ● ● PHASE I – CRITICAL ASSESSMENT

September 23-25, 2019 in Bordeaux

GET THE BEST OF LIGHT MICROSCOPY EXPERIMENTS

Claire BROWN (McGill University, CAN), Ulrike ENGEL (NIC, DEU), Virginie GEORGET (CRBM, FRA)

CELLULAR DYNAMIC AND SUB-CELLULAR IMAGING

Kurt ANDERSON (Francis Crick Institute, GBR), Allison NORTH (The Rockefeller University, USA), Romain LAINE (MRC, GBR), Sophie ALLART (CPTP, FRA)

MORPHOGENESIS, EMBRYOGENESIS AND WHOLE ORGANISM IMAGING

Jean-Léon MAITRE (Institut Curie, FRA), Corinne LORENZO (ITAV, FRA), Nicolas TISSOT (L'Oréal, FRA), Nicolas RENIER (ICM, FRA), Nathalie AULNER (Institut Pasteur, FRA), Elaine DEL NERY (Institut Curie, FRA)

DATA ACQUISITION AND ANALYSIS STRATEGIES

Jason SWEDLOW (University of Dundee, GBR), Sébastien TOSI (IRB Barcelona, ESP), Jean-Yves TINEVEZ (Institut Pasteur, FRA), Perrine PAUL-GILLOTEAUX (SFR François Bonamy, FRA)

● ● ● PHASE II – TECHNICAL WORKSHOP

December, 2019 in Paris

The practical phase will present concretely the limits and artifacts that can be encountered in light microscopy. During this phase, students will be introduced to good practice in sample preparation for microscopy. Notions learned from theoretical courses will be applied to image acquisition in confocal microscopy, and will be confronted with the requirements of live samples. Emphasis will also be placed on artifacts in super-resolution microscopy (SIM, STED, SRRF...). Finally, good practice in image analysis will be presented.

SELECTION: 10 trainees will be selected among Phase I participants.

Information and registration:

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