

11th Course on Optical Microscopy Imaging for Biosciences

1 - 5 April, 2018, I3S, Porto, Portugal

Preliminary program

	Monday 1	Tuesday 2	Wednesday 3	Thrusday 4	Friday 5	
9:00	Registration and Reception					
9:30	Course overview	Light proprieties and image formation (Carla Carmelo Rosa)	Live Cell imaging (Maria Azevedo)	Elyra 7 with Lattice SIM Zeiss (Zeiss specialist)	Introduction to ImageJ/Fiji (Paula Sampaio)	
9:45						
10:00	Cell sample preparation (Cristina Ferrás)		Lightsheet microscopy (Ricardo Correia)	SP8 Falcon FLIM Leica Microsystems (Nathalie Garin)		
10:15						
10:30						
10:45						
11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	
11:15						
11:30	The Ligth Microscope (Paula Sampaio)	Fluorescence microscopy techniques (Camilo Guzman)	fluorescence dynamics techniques (FLIM, FRET, FCS, FRAP etc.) (Camilo Guzmán)	3D Acousto-Optical multiphoton microscopy for monitoring neuronal activity in behaving animals Femtonics (Máté Marosi)	Image analysis demos (Deconvolution and 3D vizualization)	
11:45						
12:00	Optical Contrast Techniques in Transmission Ligth Microscopy (Paula Sampaio)	Optical sectioning (Paula Sampaio)	Super-Resolution Microscopy (António Pereira)	Optogenetics Izasa (Silvia Fernandez)		
12:15						
12:30						
12:45						
13:00	Lunch	Lunch	Lunch	Lunch	Lunch	
13:15						
13:30						
13:45						
14:00						
14:15	Microscopy Labs: Hands-on and demos sessions	Microscopy Labs: Hands-on and demos sessions	Microscopy Labs: Hands-on and demos sessions	Digital Image Analysis (Mafalda Sousa)	Image analysis Labs: Data analysis	
14:30						
14:45				Image analysis tools (Maria Azavedo)		
15:00						
15:15						
15:30						
15:45						
16:00						
16:15	Break	Break	Break	Break	Break	
16:30						
16:45	Microscopy Labs: Hands-on and demos sessions	Microscopy Labs: Hands-on and demos sessions	Microscopy Labs: Hands-on and demos sessions	Microscopy Labs: Hands-on and demos sessions	Open for questions and final discussion	
17:00						
17:15						
17:30						
17:45						
18:00						
18:15						
18:30						
18:45						
19:00						