

13th Course on Optical Microscopy Imaging for Biosciences

28 March - 1 april, 2022, i3S, Porto, Portugal

Preliminary program					
	Monday 28	Tuesday 29	Wednesday 30	Thursday 31	Friday 1
09:00	Reception				
09:30	Light proprieties and image formation (Paula Sampaio)	Optical slicing I (David Accardi)	Live Cell imaging (Paula Sampaio)	Image flowcitometry (Maria Lazaro)	Digital Image Analysis (Mafalda Sousa)
09:45					
10:00					
10:15	Cell sample preparation (Maria Azevedo)	Optical slicing II (David Accardi)	Neuro Imaging (Luisa Cortes)	Holotomography (Liliana Santos)	
10:30					
10:45					
11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:15					
11:30	Optical Contrast Techniques (Paula Sampaio)	Super-Resolution Microscopy (Pedro Pereira)	Imaging molecular dynamics (José Rino)	Single-molecule imaging (Ana Melo)	Image analysis tools (Telmo Pereira)
11:45					
12:00					
12:15	Widefield Fluorescence microscopy (Maria Azevedo)	Expansion Microscopy (Pedro Pereira)	Bio-sensors (Hugo Botelho)	Mesoscopy (Gabriel Martins)	
12:30					
12:45					
13:00					
13:15	Lunch	Lunch	Lunch	Lunch	Lunch
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	Microscopy Labs: Hands-on and demos sessions	Image analysis Labs: Data analysis
14:30					
14:45					
15:00					
15:15					
15:30					
15:45					
16:00	Break	Break	Break	Break	Break
16:15					
16:30	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	Image analysis Labs: Data analysis
16:45					
17:00					
17:15					Final discussion
17:30					
17:45					
18:00					
18:15					
18:30					