



Training School

“Imaging microbial response to low pH”

May 22nd – 26th, 2023

Training School Detailed Program

Date	Session	Lecture Title	Lecturer	Affiliation
22 May	14:00-18:00	Image J and Microbe J teaching	Adrien Ducret	MMSB CNRS - Lyon University
23 May	09:00-10:30	Samples preparation	Team supervision	CIRB - Collège de France, PSL Paris
	10:30-11:00	Break		
	11:00-13:00	Basics of microscopy	Julien Dumont	CIRB - Collège de France, PSL Paris
	13:00-14:00	Break		
	14:00-17:00	Three-student groups for practical training 1. Epifluorescence; 2. Observation of large sample with structured illumination microscope; 3. Confocal	Team supervision	CIRB - Collège de France, PSL Paris
24 May	09:00-10:30	Samples preparation	Team supervision	CIRB - Collège de France, PSL Paris
	10:30-11:00	Break		
	11:00-13:00	Imaging infectious bacteria in human cells	Olivier Espéli	CIRB - Collège de France, PSL Paris
	13:00-14:00	Break		
	13:30-17:00	Three-student groups for practical training 1. Observation of large sample with structured illumination microscope; 2. Epifluorescence; 3. Microplate reader	Team supervision	CIRB - Collège de France, PSL Paris
25 May	09:00-10:30	Samples preparation	Team supervision	CIRB - Collège de France, PSL Paris
	10:30-11:00	Break		
	11:00-13:00	Imaging bacterial phenotypes at the single cell level	Manuel Campos	LMGM - Toulouse University
	13:00-14:00	Break		
	14:00-17:00	Three-student groups for practical training 1. Microplate reader; 2. Confocal; 3. Epifluorescence	Team supervision	CIRB - Collège de France, PSL Paris
26 May	09:00-10:30	Samples preparation	Team supervision	CIRB - Collège de France, PSL Paris
	10:30-11:00	Break		
	11:00-13:00	Imaging bacterial biofilms	Romain Briandet	Micalis Institut UPSaclay
	13:00-14:00	Break		
	14:00-17:00	Three-student groups for practical training 1. Confocal; 2. Microplate reader; 3. Observation of large sample with structured illumination microscope	Team supervision	CIRB - Collège de France, PSL Paris

Practical information

The Training School will take place at the [CIRB](#) in the Collège de France (Address: 11 place Marcelin Berthelot, 75005 Paris France) and will benefit from the support of the CIRB imaging facility [Orion](#). For further information, please do not hesitate to contact: euromicroph@college-de-france.fr