



4 thematic axes

- **Axis 1:** Polarization microscopy in excitation and emission
- **Axis 2:** Probe engineering
- **Axis 3:** Instrumentation
- **Axis 4:** Measurements and data analysis

4 lectures

- Experimental methods
- Motivation and applications of polarization in biology
- Optics and light polarization
- Fluorescent probes – labeling

6 practical sessions

- Polarization microscopy in excitation
- Polarization microscopy in emission
- Data analysis
- Calibration / instrumentation
- PSF engineering (*advanced practical – optional*)
- Testing on participants' samples (optional)

Legend :

Discussion	Lecture	Practical workshops / tutorials	Breaks
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End of September

	Group 1	Group 2	Group 3	Group 4
Remote	Tour de table, introduction des méthodes, attentes des participants, déroulé de la formations, informations pratiques, etc.			

DAY 1 – Nov. 17, 2026

12h30h - 13h	Welcome of participants
13h – 13h20	Introduction
13h20 – 14h40	Lecture #1 – Motivation and applications of polarization in biology
14h40 – 15h	Coffee break
15h - 16h30	Lecture / TP #2 – Optics and light polarization
16h30 – 18h	Lecture #3 – Experimental methods
Evening	Group dinner for team building

DAY 2 – Nov. 18, 2026

9h – 11h	TP #1	TP #2	TP #3	TP #4
11h – 11h20	Coffee break			
11h20 – 12h	Platform and laboratory visit – Group photo			
12h – 13h30	Lunch break			
13h30 – 15h	TP #2	TP #3	TP #4	TP #1
15h - 15h20	Coffee break			
15h20 – 17h20	TP #3	TP #4	TP #1	TP #2
17h20 – 18h	Debriefing – round table			
Evening	Group dinner for team building			

DAY 3 – Nov. 19, 2026				
9h – 10h30	Lecture #4 – Fluorescent probes – labeling - Manos			
10h30 – 12h30	TP #4	TP #1	TP #2	TP #3
12h – 13h30	Lunch break			
13h30 – 15h30	Data analysis – En autonomie			
15h30 – 15h50	Coffee break			
15h50 – 16h30	Group presentations (10 min)			
16h30 – 17h30	Training debriefing – round table			
	Group dinner for those staying for the optional half-day			

Day 4 (Optional) – Nov. 20, 2026

9h – 12h	Testing on participants' samples	TP #5: PSF engineering (advanced)
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2-3 months after the training

Remote	Experience feedback
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