

PROGRAM - EPFL 2026 Summer School on "Essentials of Image Analysis for Scientists"					
	Monday June 8	Tuesday June 9	Wednesday June 10	Thursday June 11	Friday June 12
07:30		<i>Breakfast (7:30-08:30)</i>	<i>Breakfast (7:30-08:30)</i>	<i>Breakfast (7:30-08:30)</i>	<i>Breakfast (7:30-08:30)</i>
08:00					
08:30	Train Trip: Departure: Lausanne 09:01	Image Processing (DS)	Introduction to Imaging AI (DS)	Training deep-learning (MW)	Q&A Session - Topics on demand
09:00	Transfer at Montreux (9:21-9:34)	Operations / Filtering / CNN	Image Segmentation Approaches	Annotation / training	Round-table on imaging research
09:30	Arrival: Caux 09:56	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>
10:00	Installation	Image Analysis (DS)	Machine Learning (FA)	Fine-tuning models	Support in image analysis
10:30	Welcome	Workflow / Threshold / Feature detection	Concepts ML / Training	Training YOLO	Few presentations of participants
11:00	Image Formation (FA)	Practice on Fiji (DS)	Practice on Ilastik (FA)	Temporal Imaging (EA)	Check-out
	Acquisition model (pinhole/lens)	Image Operations	SAM (DS)	Correlative / Motion	Palace Tour + Group photo + Drone
12:00	<i>Lunch (12:15-13:00)</i>	<i>Lunch (12:15-13:00)</i>	<i>Lunch (12:15-13:00)</i>	<i>Lunch (12:15-13:00)</i>	<i>Lunch (12:15-13:00)</i>
13:00	Image Quality (EA)	Image Visualization (JV)	Practice on Image Segmentation (MW)	Tracking (EA)	Wrap up - Feedback
	Noise, resolution, contrast	Introduction to napari	Segmentation Challenge	Bouncing ball	Evaluation
14:00	Digital Images (DS)	Group Hiking to Rochers de Naye Long Hike: departure at 14:00 Short hike: departure at 15:15 Train back to Caux: 17:27	Compare Methods / Metrics	Schlieren	MCQ (13:45-14:30)
	nD images on Fiji		<i>Break (14:45-15:15)</i>	<i>Break (14:45-15:15)</i>	Train Departure (14:57)
15:00	<i>Break (15:30-16:00)</i>		Project Session TA Coaching on your data slot 30-min / project	Project Session TA Coaching on your data slot 30-min / project	
	Expert Eye on Images				
16:00	interactive session				
	First look on your images				
17:00	in groups				
	<i>Free time</i>	<i>Free time</i>	<i>Free time</i>	<i>Free time</i>	
18:00	<i>Dinner (18:15-19:00)</i>	<i>Dinner (18:15-19:00)</i>	<i>Dinner (18:15-19:00)</i>	Open Image Bar (optional)	
19:00	Image Acquisition (MW)	Fourier (DS) / scikit-image (MW) / napari-plugin (JV) (optional)	Open Image Bar (optional)	Walk to the restaurant	
	Applied microscopy (by pairs)				
20:00			Pub Quizz	Group Dinner at Coucou	