

		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
		october 18	october 19	october 20	october 21	october 22	october 23
9:00			General principles of signal processing M.A. Delsuc	Introduction to compressed sensing E. Trammel	Pattern recognition, statistics and image modelling, inverse problems - C. Kervrann	Introduction to molecular modelling and molecular dynamics - P. Senet	Nano-world simulation P. Senet
9:30	0:30						
10:00	0:30						
10:30	0:30						
11:00	0:30		General principles of spectroscopy based on fluorescence E. Margeat	AFM imaging principles and applications to nanomedicine JL. Pellequer	Resolution in optical microscopy B. Rieger	Multiscale dynamics modelling D. Abergel	X-ray and fluorescence imaging A. Somogyi
11:30	0:30						
12:00	0:30						
12:30	0:30						
13:00	0:30		Lunch	Lunch	Lunch	Lunch	Lunch
13:30	0:30						
14:00	0:30		Fundamentals of digital images S. Marco				End
14:30	0:30			Signal processing lab IpythonNB - M.A. Delsuc	Compressed sensing in spectroscopy lab M.A. Delsuc	3D chemical mapping from images S. Marco	
15:00	0:30						
15:30	0:30						
16:00	0:30						
16:30	0:30						
17:00	0:30		High resolution in mass spectrometry P. O'Connor	Cryo-EM image analysis L. Estrozi		multidimensional NMR B. Kieffer	
17:30	0:30						
18:00	0:30						
18:30	0:30	Accueil					
19:00	0:30						
19:30	0:30	Dinner	Dinner	Dinner	Dinner	Dinner	
20:00	0:30						
20:30	0:30						
21:00	0:30	Workshop presentation	Image processing and analysis ImageJ tutorial - S. Marco	Compressed sensing lab E. Trammel	Practical lab on pattern recognition and image modelling C. Kervrann		
21:30	0:30						
22:00	0:30						

	Introductory course
	Advanced course
	Practical lab
	break
	lunch time