

HERCULES@SESAME school programme

	Friday 25/10	Saturday 26/10	Sunday 27/10	Monday 28/10	Tuesday 29/10	Wednesday 30/10	Thursday 31/10	Friday 1/11	Saturday 2/11	Sunday 3/11	Monday 4/11	Tuesday 5/11	Wednesday 6/11	Thursday 7/11												
08:30		Welcome																								
08:45																										
09:00		Scattering & X-ray/matter interaction V. Favre-Nicolin	Soft X-ray optics & applications G. Paolucci	Full-field imaging M. Olbinado	Industrial Applications Simon Jacques (indus. w/shop) Tomography for industrial applications	Macromolecular Crystallography Y. Zhao	Macromolecular Crystallography tutorial Yuguang Zhao		Soft X-ray spectroscopy 1 A. Mansour	Practicals: XAFS/XRF Infrared	Practicals: XAFS/XRF Infrared	Practicals: XAFS/XRF Infrared	Applications to environmental science M. Kazemian	Highlights of SESAME research												
09:15																										
09:30																										
09:45																										
10:00																										
10:15																										
10:30		Coffee break	Coffee break	Coffee break	Poster session + coffee break	Coffee break	Coffee break		Coffee break	Tutorials: XAFS/XRF Infrared C. Sandt	Tutorials: Python/hdf5 H. Payno	Tutorials: XRF M. Kazemian	Coffee break	Coffee break												
10:45																										
11:00		Introduction to synchrotron radiation G. Paolucci	X-ray absorption & EXAFS F. d'Acapito	Soft X-ray & Tomography beamlines G. Paolucci			Macromolecular Crystallography Y. Zhao	Resonant scattering V. Favre-Nicolin		Infrared spectroscopy C. Sandt	Python/hdf5 H. Payno	SAXS /GISAXS / WAXS D. Siliqi D. Altamura	SAXS /GISAXS / WAXS D. Siliqi D. Altamura	SAXS theory & applications D. Siliqi	Panel discussion: how to write a good proposal ?											
11:15																										
11:30																										
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12:00																										
12:15																										
12:30																										
12:45																										
13:00		Lunch	Lunch	Lunch	Joint Lunch w/industry workshop	Lunch	Lunch	Excursion in Amman	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch												
13:15																										
13:30																										
13:45																										
14:00																										
14:15		Scattering & X-ray/matter interaction V. Favre-Nicolin	Visit of SESAME	Crystallography & single crystal diffraction V. Favre-Nicolin	Applications to material science M. Aranda	Safety Training				Soft X-ray spectroscopy 2 A. Mansour	Practicals: XAFS/XRF Infrared	Practicals: XAFS/XRF Infrared	Practicals: XAFS/XRF Infrared	SAXS/WAXS microscopy, GISAXS/GIWAXS & applications D. Altamura	Intro to neutron scattering & spectro David Djurado											
14:30																										
14:45																										
15:00																										
15:15			X-ray absorption & EXAFS F. d'Acapito																							
15:30		Coffee break			Coffee break	Coffee break	Tutorials Powder Diffraction	Tutorials Powder Diffraction		Coffee break	Tutorials: XRF M. Kazemian	Tutorials: XRF M. Kazemian	Coffee break	Coffee break												
15:45																										
16:00		SESAME Introduction G. Paolucci		Coherent Imaging V. Favre-Nicolin	Powder diffraction A. Fitch																					
16:15																										
16:30			Coffee break																							
16:45		Materials Science beamline M. Abdellatif																								
17:00																										
17:15				Infrared beamline G. Kamel																						
17:30																										
17:45																										
18:00			XAFS/Fluo. beamline M. Harfouche																							
18:15																										
18:30	Arrival & registration																									
18:45																										
19:00																										
19:15									School dinner																	
19:30																										
19:45																										
20:00													Farewell dinner													