

Start period	Wed, 29 Nov 2017	Thu, 30 Nov 2017	Fri, 1 Dec 2017	Sat, 2 Dec 2017	Sun, 3 Dec 2017	Mon, 4 Dec 2017	Tue, 5 Dec 2017	Wed, 6 Dec 2017	Thu, 7 Dec 2017		
	<b>ARRIVAL</b>	<b>INTRO</b>	<b>DATA COLL</b>	<b>DATA PROC</b>	<b>EXP PHASING</b>	<b>PHASING 2</b>	<b>MR</b>	<b>BUILDING/REFINEMENT</b>	<b>VALIDATION</b>		
		<b>CHAIR: G. Winter</b>		<b>CHAIR: J. Brandao-Neto</b>	<b>CHAIR: D. Hall</b>	<b>CHAIR: J. Parkhurst</b>	<b>CHAIR: J. Beale</b>	<b>CHAIR: L. Fuentes-Montero</b>	<b>CHAIR: M. Mazzorana</b>		
08:30											
08:45	Lecture	BUS FROM WANTAGE	BUS FROM WANTAGE	BUS FROM WANTAGE	BUS FROM WANTAGE	BUS FROM WANTAGE	BUS FROM WANTAGE	BUS FROM WANTAGE	BUS FROM WANTAGE		
09:00	Practical										
09:15	Other	Welcome to the course, and intro to CCP4 E. Krissinel	Data collection strategies R. Gildea	Data reduction P. Evans	Phase problem (inc. MR) G. Leonard	MX from an Industrial Perspective P. McEwan	MR model selection, preparation and assessing the solution R. Keegan	Refinement O. Kovalevskiy	PISA E. Krissinel		
09:30	Break/Meal										
09:45	Bus										
10:00	Self-service coffee available each morning until lunch	MX @ Diamond D. Hall	DATA COLLECTION / PROCESSING TUTORIALS	Assessing data quality K. Diederichs	Pathologies and pseudosymmetry A. Lebedev	An introduction to Coot P. McEwan	Molecular replacement experiences M. Isupov	ARP/wARP G. Chojnowski	Deposition J. Berrisford		
10:15											
10:30											
10:45											
11:00			Computing with Linux at DLS (inc. log on test and copy user data) N. Paterson P. Aller		SHELX for EP A. Thorn	MR introduction and theory M. Isupov	Phasing tutorials	BUSTER C. Vornrhein	CCP4MG S. McNicholas		
11:15				Data processing tutorials (data reduction / quality stats / multiple datasets) EP N. Pannu	Combined Likelihood MR/SAD in Phaser: Part 1 A. McCoy	Ligands J. Debreczeni		Model validation and optimisation B. van Beusekom			
11:30											
11:45											
12:00											
12:15			LUNCH Atrium	LUNCH Atrium	LUNCH R22	LUNCH R22	LUNCH Atrium	LUNCH Atrium	LUNCH R22	LUNCH Atrium	
12:30											
12:45											
		<b>CHAIR: R. Flaig</b>			<b>CHAIR: S. Storm</b>	<b>CHAIR: J. Beilsten-Edmands</b>			<b>CHAIR: R. Gildea</b>		
13:00		Optimising the Diamond experience D. Lawson	DATA COLLECTION / PROCESSING TUTORIALS	Data processing practicals / work with your own data	SHARP C. Vornrhein	Combined Likelihood MR/SAD in Phaser: Part 2 A. McCoy	MR practicals / work with your own data	Ligands tutorial (Coot, dictionary, AceDRG, validation) J. Debreczeni	General practical session / finish off your projects		
13:15											
13:30		ISPyB & register samples P. Aller						DM K. Cowtan			
13:45		Data proc with DIALS G. Winter				EP practicals / work with your own data		Model Building K. Cowtan			Refinement practicals / work with your own data
14:00											
14:15											
14:30											
14:45											
15:00											
15:15											
15:30											
15:45											
16:00		COFFEE BREAK/HANG POSTERS - Atrium		COFFEE BREAK	COFFEE BREAK	COFFEE TALK VMXi beamline H. Mikolajek	COFFEE TALK XFEL Hub A. Butryn	COFFEE TALK I23 long wavelength beamline R. Duman	COFFEE BREAK hand out certificates		
16:15											
16:30											
16:45		Getting the best from photon counting detectors A. Förster							Wrap up and feedback: "what have I learned?"		
17:00	Arrive at The Bear hotel										
17:15											
17:30			Cryocrystallography E. Garman								
17:45											
18:00		BREAK									
18:15											
18:30				Introduction to space groups and twinning A. Thorn							
18:45											
19:00			DINNER - Z5 MR Dominos pizza order								
19:15				DINNER - sandwich selection Atrium	DINNER - sandwich selection Atrium						
19:30				BUS TO WANTAGE	BUS TO WANTAGE	DINNER R22	DINNER R22	DINNER R22			
19:45											
20:00		DINNER - Atrium									
20:15			DATA COLL / hands on								
20:30				FREE TIME	FREE TIME	hands on	hands on	hands on			
20:45											
21:00											
		BUS TO WANTAGE	BUS TO WANTAGE			BUS TO WANTAGE	BUS TO WANTAGE	BUS TO WANTAGE	WORKSHOP DINNER - WildWood Kitchen (Wantage)		