

BCA/CCP4 Protein Crystallography Summer School 2008
Programme

SEH: St. Edmund's Hall
 SEH LT: St. Edmund's Hall Lecture Theatre: Doctorow Hall
 SEH PR: St. Edmund's Hall: Pontigny Room
 SEH WH: St. Edmund's Hall: Wolfson Hall
 LR1: Lecture Room 1 Biochemistry Department, Science Area, South Parks Road.
 Tower: Top (7th) floor Biochemistry Tower
 MTSC: Computing Suite, Medical Sciences Teaching Centre
 D: Diamond

Sunday 7th September

15:00		<i>Arrival and registration</i>	SEH
16:00		<i>Welcome: Elspeth Garman and Martin Noble</i>	SEH LT
16:10	#1	Lecture: Protein Crystallography Road Map Airlie McCoy	SEH LT
16:30		Student Stories I	SEH LT
18:30		<i>Dinner</i>	SEH
19:30	#2	Lecture: Protein Expression and Purification Jane Endicott	SEH LT
19:30		<i>Drinks</i> — sponsored by GlaxoSmithKline	SEH LT
20:00		Student Stories II	SEH LT

Monday 8th September

7:45 - 8:30		<i>Breakfast</i>	SEH
9:00	#3	Lecture: Crystallization Jane Endicott	LR1
9:45	#4	Lecture: Symmetry and Diffraction Martin Noble	LR1
10:30		<i>Coffee</i>	Tower
11:00	#5	Lecture: Sources, Detectors and Data Collection Ed Lowe	LR1
12:30		<i>Lunch</i>	Tower
13:30	#6	Lecture: Data Collection and Processing Elspeth Garman	LR1
15:00		<i>Tea</i> After Tea assemble in Biochemistry foyer for escort to MTSC	Tower
15:15	#7	Practical: Data Processing Leader: Ed Lowe	MTSC
18:30 - 21:30		<i>Dinner</i> — sponsored by Oxford Cryosystems Cruise on the River Thames in a Salter's steamer DON'T MISS THE BOAT!	MTSC

Tuesday 9th September

7:45-8:30		<i>Breakfast</i>	SEH
9:00	#8	Lecture: Maximum Likelihood with Dice Airlie McCoy	LR1
9:45	#9	Lecture: Models for Molecular Replacement Nick Keep	LR1
10:15		<i>Coffee</i>	Tower
10:45	#10	Lecture: Patterson Functions Rob Esnouf	LR1
11.30	#11	Lecture: Molecular Replacement Airlie McCoy	LR1
12.30		<i>Lunch</i>	Tower
13:30	#12	Practical: Molecular Replacement Leaders: Nick Keep/Airlie McCoy	MTSC
15:30		<i>Tea</i>	Tower
16:00		Trip to Diamond Light Source — sponsored by Oxford Diffraction. Bus leaves from Mansfield Road DON'T MISS THE BUS!	D
17:10		Tour of Ring	D
18:30		Presentations by Diamond Staff Host: Alun Ashton	D
19:30		<i>Drinks</i> — sponsored by Diamond	D
19:45		<i>Buffet Dinner</i> — Drinks sponsored by QIAGEN	D
21:00		Bus returns to SEH	D

Wednesday 10th September

7:45-8:30		<i>Breakfast</i>	SEH
9:00	#13	Lecture: Experimental Phasing Airlie McCoy	LR1
10:00	#14	Lecture: Finding Heavy Atom Sites and MAD/SAD Martin Noble	LR1
10:30		<i>Coffee</i>	Tower
11:00	#15	Lecture: Crystal Manipulation and Soaking Methods Elspeth Garman	LR1
11:20	#16	Lecture: Preparation of Derivatives and MIR Nick Keep	LR1
11:50	#17	Lecture: Radiation Damage: Why do we care? Elspeth Garman	LR1
12.30		<i>Lunch</i>	Tower
13:30	#18	Practical: MAD/SAD Phasing	MTSC

		Leader: Martin Noble	
15:30		<i>Tea</i>	Tower
16:00	#19	Lecture: Phase Improvement and Averaging Pietro Roversi	LR1
17:15	#20	Quiz I Chair: Nick Keep	LR1
18:45		<i>Dinner</i> Students have free evening	SEH

Thursday 11th September

7:45-8:30		<i>Breakfast</i>	SEH
9:00	#21	Lecture: Crystal Preparation for Cryocrystallography Elspeth Garman	LR1
10:30		<i>Coffee</i>	Tower
11:00	#22	Lecture: Refinement Nick Keep	LR1
12:30		<i>Lunch</i>	Tower
13:30	#23	Lecture: Validation Pete Artymuik	LR1
15:00	#24	Lecture: Graphics and Representations Martin Noble	LR1
15:30		<i>Tea</i>	Tower
16:00	#25	Practical: Map Interpretation Leader: Paul Emsley	MSTC
19:00		<i>Conference Dinner</i> Drinks sponsored by Bruker AXS Special Guest Speaker: Prof. Graeme Laver FRS "Adventures in Flu Research"	SEH WH SEH PR

Friday 12th September

7:45-8:30		<i>Breakfast</i> Students must vacate rooms before 9:30	SEH
9:30	#26	Lecture: Complementing crystallography with other structural techniques Nick Keep	LR1
11:00		<i>Strong Coffee</i>	Tower
11:30		Quiz II and Feedback Questionnaire Chair: Elspeth Garman	LR1
12:30		<i>Close</i>	