

CCP4/NJUST school program for 2015

Sunday, 13th September

Registration and Reception

18:00 – 19:00	Registration and dinner	???
19:00 – 21:00	Opening Reception	???

Color code:

Meal or Coffee break

Lecture session

Practical session

Tutorial session

Other

Monday, 14th September

Data processing and Scaling

All Lectures will be held in Building 364 Room C302

08:00 - 09:00	Breakfast	???
09:00 – 09:10	Welcome	Jun (Eva) Yi
09:10 – 10:00	Fundamentals of protein crystallography	L. Niu
10:00 - 10:20	Coffee	<i>Building 364 C301</i>
10:20 – 11:10	Introduction to CCP4	Charles Ballard
11:10 – 12:00	Data collection and processing	F. Yu
12:00 -13:00	Lunch	<i>Building 364 C301</i>
13:00 – 13:50	Data processing and scaling with MOSFLM and Aimless	J. Parkhurst
13:50 – 14:40	Data processing with XDS	T. Gruene
14:40 – 15:30	DIALS and BLEND	J. Parkhurst
15:30 – 15:45	Coffee	<i>Building 364 C301</i>
15:45 – 16:30	Mosflm & Aimless Tutorial	J. Parkhurst
16:30 – 17:15	XDS Tutorial	T. Gruene
17:15 – 18:00	DIALS Tutorial	J. Parkhurst
18:00 – 19:00	Dinner	???
19:00 – 21:00	Data processing problem solving	All Tutors

Tuesday, 15th September

Experimental phasing

Room ???

08:00 – 09:00	Breakfast	???
09:00 – 09:50	Experimental Phasing	Z. Liu
09:50 – 10:40	Phaser – EP	A. Lebedev
10:40 – 11:10	Coffee	<i>Building 364 C301</i>
11:10 – 12:00	ShelxC/D/E	T. Gruene
12:00 – 13:00	Lunch	<i>Building 364 C301</i>
13:00 – 13:50	Crank/Crank2	P. Skubak
13:50 – 14:20	Coot Introduction	P. Emsley
14:20 – 15:10	Tutorial Phaser EP	A. Lebedev
15:10 – 16:00	Tutorial ShelxC/D/E	T. Gruene
16:00 – 16:30	Coffee	<i>Building 364 C301</i>
16:30 – 17:20	Tutorial Crank/Crank 2	P. Skubak/R. Pannu
17:20 – 18:00	Problem Solving	All Tutors
18:00 – 19:00	Dinner	???
19:00 – 21:00	Problem Solving	All Tutors

Wednesday, 16th September

Molecular replacement

Rooms ???

08:00 – 09:00	Breakfast	???
09:00 – 10:00	Molecular Replacement	A. Lebedev
10:00 – 10:45	Phaser MR	A. Lebedev
10:45 – 11:15	Coffee	<i>Building 364 C301</i>
11:15 – 12:00	MR Pipelines	R. Keegan
12:00 – 13:00	Lunch	<i>Building 364 C301</i>
13:00 – 13:30	SHELXE from Molecular Replacement	T. Gruene
13:30 – 14:45	Tutorial: Molecular Replacement	A. Lebedev & R. Keegan
14:45 – 16:00	Tutorial: Phaser MR	A. Lebedev
16:00 – 16:30	Coffee	<i>Building 364 C301</i>
16:30 – 17:00	Tutorial: MrBUMP & AMPLE & BALBES	R. Keegan
17:00 – 18:00	Problem Solving	All Tutors
18:00 – 19:00	Dinner	???
19:00 – 21:00	Problem Solving	All Tutors

Thursday 17th September Workshop Tour ???

Friday, 18th September

Model Building & Refinement 1

Rooms ???

08:00 – 09:00	Breakfast	???
09:00 – 10:00	Refinement with Refmac and ProSMART	G. Murshudov
10:00 – 10:45	Twinning and other pathologies, practical aspects	A. Lebedev
10:45 – 11:15	Coffee	<i>Building 364 C301</i>
11:15 – 12:00	AceDRG and Ligand Dictionary	G. Murshudov
12:00 – 13:00	Lunch	<i>Building 364 C301</i>
13:00 – 14:00	Coot: Advanced	P. Emsley
14:00 – 14:30	Tutorial: Refmac	G. Murshudov
14:30 – 15:30	Tutorial: Coot Model Building	P. Emsley
15:30 – 16:00	Hands on problem solving	All participants
16:00 – 16:30	Coffee	<i>Building 364 C301</i>
16:30 – 19:00	Hands on problem solving	All participants
19:00 – 20:00	Dinner	???
20:00 – 21:00	Hands on problem solving	All participants

Saturday, 19th September

Model Building & Refinement 2

Rooms ???

08:00 – 09:00	Breakfast	???
09:00 – 09:45	PDB-REDO: Refinement & Validation	R. Joosten
09:45 – 10:30	Automatic Model Building with ARP/wARP	J. Pereira
10:30 – 10:45	Coffee	<i>Building 364 C301</i>
10:45 – 11:15	Automatic Model Building with Buccaneer	P. Skubak
11:15 – 12:00	Coot ligand building	P. Emsley
12:00 – 13:00	Lunch	<i>Building 364 C301</i>
13:00 – 14:00	Tutorial: Automatic Model Building with ARP/wARP	J. Pereira
14:00 – 15:00	Tutorial: Coot ligand building	P. Emsley
15:00 – 15:30	Coffee	<i>Building 364 C301</i>
15:30 – 16:30	Tutorials: Automatic Building of Ligands and Nucleotides in ARP/wARP	J. Pereira
16:30 – 17:00	Tutorial: PDB-REDO and validation	R. Joosten
17:00 – 19:00	Hands on problem solving	All participants
19:00 – 20:30	Workshop Banquet ???	???

Sunday, 20th September

Structure Analysis

Rooms ???

08:00 – 09:00	Breakfast	???
09:00 – 09:20	CCP4 beyond structure solution	E. Krissinel
09:20 – 10:00	Analysis of macromolecular Complexes (PISA)	E. Krissinel
10:00 – 10:30	Coffee	<i>Building 364 C301</i>
10:30 – 11:15	Structural Classification of Proteins (SCOP)	A. Murzin
11:15 – 12:00	Structure Function and Analysis	Local Expert
12:00 – 13:00	Lunch	<i>Building 364 C301</i>
13:00 – 15:00	Hands on problem solving & Data Backup	All participants
15:00 – 15:30	Closing Remarks & Feedback	Eva & All participants
15:30	Departure	