| Start period | Tue 13/12 | Wed 14/12 | Thu 15/12 | Fri 16/12 | Sat 17/12 | Sun 18/12 | Mon 19/12 | Tue 20/12 |
|---|---|---|---|---|---|---|---|---|
| | **ARRIVAL/INTRO** | **INTRO** | **DATA PROC THEORY** | **DATA COLL/PROC** | **EXP PHASING** | **MR** | **BUILDING/REFINEMENT** | **VALIDATION** |
| 09:00 | | BUS FROM WANTAGE | BUS FROM WANTAGE | BUS FROM WANTAGE | BUS FROM WANTAGE | BUS FROM WANTAGE | BUS FROM WANTAGE | BUS FROM WANTAGE |
| 09:15 | | **CHAIR AM: organisers** | **CHAIR AM: J. Parkhurst** | **CHAIR AM: E. Krissinel** | **CHAIR AM: C. Lobley** | **CHAIR AM: M. Vollmar** | **CHAIR AM: G. Winter** | **CHAIR AM: J. Foadi** |
| 09:30 | Lecture | Data collection<br>N. Paterson | Introducing data processing using iMosflm<br>A. Leslie | BEST data collection strategies<br>G. Bourenkov | Phase problem<br>G. Leonard | Coot<br>P. McEwan | Refinement<br>O. Kovalevskiy / R. Nicholls | CCP4MG<br>S. McNicholas |
| 09:45 | Practical | | | | | | | |
| 10:00 | Other | | | | | | | |
| 10:15 | Break/Meal | How not to collect data<br>G. Winter | iMosflm practical | DATA COLLECTION | SHELX for EP<br>A. Thorn | Likelihood, and SAD in Phaser<br>A. McCoy | Refinement<br>O. Kovalevskiy / R. Nicholls | CCP4MG<br>S. McNicholas |
| 10:30 | Bus | | | | | | | |
| 10:45 | | | | | | | | |
| 11:00 | | COFFEE BREAK - Atrium | COFFEE BREAK - Atrium | | COFFEE BREAK - Atrium | COFFEE BREAK - Atrium | COFFEE BREAK - G53 / G54 | COFFEE BREAK - Atrium |
| 11:15 | | | | | poster prize + remove posters | | | |
| 11:30 | | MX Pipelines + automated feedback<br>D. Hall | Data proc with DIALS<br>G. Winter | | EP<br>N. Pannu | Introduction to MR<br>A. Lebedev | BUSTER<br>C. Vonrhein | Model validation and optimisation<br>R. Joosten |
| 11:45 | | | | | | | | |
| 12:00 | | | | | | | | |
| 12:15 | | ISPyB / log on /copy data<br>P. Aller | DIALS practical | | EP practical (CRANK and SHELX)<br>N. Pannu | Likelihood-based MR in Phaser<br>A. McCoy | Ligands (Coot, dictionary, AceDRG, validation)<br>P. McEwan | hands on |
| 12:30 | | | | | | | | |
| 12:45 | | | | | | | | |
| 13:00 | | | | | | | | |
| 13:15 | **CHAIR PM: D. Waterman** | LUNCH - G59 | LUNCH - RAL Restaurant | LUNCH - Atrium | LUNCH - Ridgeway House | LUNCH - Atrium | LUNCH - RAL Restaurant | LUNCH - Atrium |
| 13:30 | Welcome and intro to CCP4, projects and ccp4i2<br>E. Krissinel | | | | | | | |
| 13:45 | | **CHAIR PM: J. Beale** | **CHAIR PM: M. Mazzorana** | DATA COLLECTION | **CHAIR PM: R. Keegan** | **CHAIR PM: D. Hall** | **CHAIR PM: M. Vollmar** | **CHAIR PM: organisers** |
| 14:00 | | | | | | | | |
| 14:15 | Welcome and intro to DLS<br>M. Walsh | | Data proc with XDS<br>K. Diederichs | | SHARP<br>C. Vonrhein | DM<br>K. Cowtan | ARP/wARP<br>G. Chojnowski | PISA<br>E. Krissinel |
| 14:30 | | | | | | | | |
| 14:45 | Theory of X-ray diffraction I<br>P. Evans | Optimising the Diamond experience<br>D. Lawson | XDS practical | | SHARP<br>C. Vonrhein | hands on | ARP/wARP<br>G. Chojnowski | hands on |
| 15:00 | | | | | | | | |
| 15:15 | | | | | | | | |
| 15:30 | COFFEE BREAK - Atrium | COFFEE BREAK - Atrium | COFFEE BREAK - Atrium | | COFFEE BREAK - Atrium | COFFEE BREAK - Atrium | COFFEE BREAK - Atrium | COFFEE BREAK - Atrium |
| 15:45 | | | | | | | | |
| 16:00 | Theory of X-ray diffraction II<br>P. Evans | Best practice data collection with Pilatus detectors<br>A. Förster | Data reduction<br>P. Evans | | EP hands on | Model building<br>K. Cowtan | **CHAIR EVE: A. Dias** | Cutting edge techniques - XFEL for structural biology<br>A. Orville |
| 16:15 | | | | | | | hands on / troubleshooting problem data | |
| 16:30 | | | | | | | | |
| 16:45 | Introduction to SR/beamlines<br>A. Wagner | Cryocrystallography and radiation damage<br>E. Garman | Data quality statistics<br>K. Diederichs | | | Model building practical | | |
| 17:00 | | | | | | | | |
| 17:15 | | | | | | | | |
| | **CHAIR EVE: D. Waterman** | Student posters / drinks | **CHAIR EVE: E. Beale** | | **CHAIR EVE: R. Duman** | **CHAIR EVE: K. McAuley** | | Q/A |
| 17:30 | Introduction to symmetry and space groups<br>A. Lebedev | | Exploring the rogues gallery<br>R. Gildea | | Twinning<br>A. Thorn | Selecting a model for MR<br>R. Keegan | | |
| 17:45 | | | | | | | | |
| 18:00 | | | Data processing practical / register samples in ISPyB | | | | | |
| 18:15 | Introduction to Linux and the command line<br>M. Vollmar | | | | Check your space group / intensity stats<br>A. Lebedev | MR practical | Scientific communication<br>S. Curry | student feedback |
| 18:30 | | | | | | | | |
| 18:45 | | | | | | | | |
| 19:00 | DINNER - Atrium | DINNER - Atrium | DINNER - Atrium | DINNER - Ridgeway House | DINNER - Ridgeway House | DINNER - Atrium | DINNER - Ridgeway House | BUS TO WANTAGE |
| 19:15 | | | | | | | | WORKSHOP DINNER - WildWood Kitchen (Wantage) |
| 19:30 | | | | | | | | |
| 19:45 | | | | | | | | |
| 20:00 | BUS TO WANTAGE | Student posters / drinks | Data processing practical / register samples in ISPyB | DATA COLLECTION | hands on | hands on | hands on | |
| 20:15 | Meet at The Bear for drinks | | | | | | | |
| 20:30 | | | | | | | | |
| 20:45 | | | | | | | | |
| 21:00 | | BUS TO WANTAGE | BUS TO WANTAGE | BUS TO WANTAGE | BUS TO WANTAGE | BUS TO WANTAGE | BUS TO WANTAGE | |