

Phenix Workshop at The University of Oklahoma

Instructors: Pavel Afonine, Dorothee Liebschner, Nigel Moriarty, Oleg Sobolev and Christopher Williams

Date: Monday, March 18, 2024, 8:30 am - 5:00 pm

Time	Agenda	Instructor
8:30 am	Welcome/Introduction to Phenix/steps in crystallography	OS
9:00	Xtriage / Data analysis (lecture) (30 min)	PVA
9:30	AlphaFold (lecture) (30 min)	CW
10:00	15 min break	
10:15	AlphaFold prediction tutorial (15 min)	DL/CW
10:30	MR (lecture and tutorial) (60 min)	DL
11:30	Refinement lecture (60 min)	PVA
12:30 pm	1h lunch break - lunch provided by OU	
13:30	Refinement tutorial (30 min)	PVA
14:00	Experimental phasing (lecture and tutorial) or advanced MR tutorial (30 min)	DL
14:30 pm	15 min break	
14:45	Model validation (lecture and tutorial) (75 min)	CW
16:00	Q/A with developers	everyone
17:00 pm	End	

Date: Tuesday, March 19, 2024, 8:30 am - 5:00 pm

Time	Agenda	Instructor
8:30 am	Ligands (lecture + tutorial) 90 min	NWM
10:00 am	15 min break	
10:15	Steps in cryo-EM (20 min)	PVA
10:35	Mtriage + map improvement (25 min)	PVA
11:00	Tutorial: map improvement + Docking + apply symmetry (30 min)	DL
11:30	Docking tutorial ChimeraX (20 min)	DL
12:00 pm	1h lunch break - lunch provided by OU	
13:00	Real-space-refine lecture + tutorial (60 min)	PVA
14:00	Advanced restraints, selection editor (60 min)	OS
15:00	15 min break	
15:15	Predict_and_build (30 min)	CW
15:45 pm	1:1 sessions with the Phenix team	everyone
17:00	end	