

2026 PX Training Course Schedule

August 31 to September 4, 2026

(8/31) Day 1 Registration 10:00~10:30	(9/1) Day 2 Breakfast 08:00~09:00	(9/2) Day 3 Breakfast 08:00~09:00
<ul style="list-style-type: none"> • The Importance and Historical Review of PX • Introduction of Protein Crystallization 	<ul style="list-style-type: none"> • Data Collection Strategy in Rotation Geometry 	<ul style="list-style-type: none"> • Phase Problem and Phasing Methods • Comparison of MAD, MIR and SAD Phasing
Lunch 12:00~13:00 D260	Lunch 12:00~13:00 D260	Lunch 12:00~13:00 D260
<ul style="list-style-type: none"> • Introduction of Crystal Symmetry • Basic of X-ray Diffraction 	<ul style="list-style-type: none"> • Step-by-Step Practice of Data Processing 	<ul style="list-style-type: none"> • Step-by-Step Practice of Structure Determination by SAD Phasing with CCP4
Dinner 18:00~19:00 D260	Dinner 18:00~19:00 D260	Dinner 18:00~19:00 D260
<ul style="list-style-type: none"> • Basic of X-ray Diffraction 	<ul style="list-style-type: none"> • Individual Practice of Data Processing 	<ul style="list-style-type: none"> • Individual Practice of SAD Phasing
(9/3) Day 4 Breakfast 08:00~09:00	(9/4) Day 5 Breakfast 08:00~09:00	
<ul style="list-style-type: none"> • Se-MAD/SAD and S-SAD Data Collection Strategy • Introduction of MR Phasing 	<ul style="list-style-type: none"> • Radiation Damage on Cryo-cooled Protein Crystals • Cryo-Technique in Protein Crystallography • Group Photos and Farewell 	
<ul style="list-style-type: none"> • Step-by-Step Practice of Ligand Search by MR with CCP4 		
Lunch 12:00~13:00 D260	Lunch 12:00~13:00 D260	
<ul style="list-style-type: none"> • Optical Screening, Cryo-sample preparation, Mounting and Centering 		
<ul style="list-style-type: none"> • Individual Practice of Ligand Search by MR with CCP4 • Experimental Station Tour 		
Dinner 18:00~19:00 D260		
<ul style="list-style-type: none"> • Individual Practice 		

Note: Gray section means hands-on session