

2DX Workshop 2016

Schedule & Locations

	22 August 2016 MONDAY	23 August 2016 TUESDAY	24 August 2016 WEDNESDAY	25 August 2016 THURSDAY	26 August 2016 FRIDAY
	Lectures (Misrock/Tinguley Room)				
08:30		Registration (C-CINA)			
08:45					
09:00		Introduction to Workshop, Henning Stahlberg	2D Crystallization, Philippe Ringer	Electron Diffraction of NanoCrystals, Jan Pieter Abrahams	Single Particle Processing from 2D Crystals, Ricardo Righetto
09:15					
09:30		Electron Microscope: The Hardware, Eric van Genderen	Sample Preparation for Cryo-EM of membrane proteins, Mohammed Chami		
09:45					
10:00		Fourier Transforms, Henning Stahlberg	Lattice Determination and tilt Geometry, Henning Stahlberg	Merging in 2D, Henning Stahlberg	Applications of 2D Crystallography, Cristina Paulino
10:15					
10:30	Coffee Break - 10:25-10:45 (C-CINA near Football Table)				
10:45		Fourier Transforms Applications, Henning Stahlberg	Crystallographic Symmetries, Henning Stahlberg	Merging in 3D, Henning Stahlberg	Tools from Dynamo, Daniel Castano-Diez
11:00					
11:15		CTF Correction, Henning Stahlberg	Crystal Unbending, Henning Stahlberg	Missing Cone, Nikhil Biyani	MloK1, Julia Kowal
11:30					
11:45		Introduction to Motion Correction and ZORRO, Robert McLeod	Movie Mode Unbending, Henning Stahlberg	Quality Evaluation, Henning Stahlberg	Tips for highest resolution data, Henning Stahlberg
12:00					
12:15				Group Photo (C-CINA)	Discussion
12:30	Lunch (Canteen SV)				

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Practicals (Manser Room)				
		<i>Supervisors: Henning Stahlberg(HS), Nikhil Biyani (NB), Cristina Paulino</i>		<i>Supervisors: Henning Stahlberg(HS), Nikhil Biyani(NB), Ricardo Righetto</i>
14:00	Arrival/ Optional Software Installation (C-CINA)	Introduction to 2DX (NB)	Get Lattice (HS)	2D Merging (HS)
14:30		Image Processing Pipeline (NB)	Get Defocus (HS)	Refine Phase Origins (HS)
15:00		Project Initialization (NB)	Refine Lattice (HS)	3D Merging (HS)
15:30		External softwares (NB)	Unbending I & II (HS)	Generate Image Maps (HS)
16:00		Coffee Break - 16:00-16:30 (C-CINA near Football Table)		
16:30	FFT/Periodogram (HS)	Movie Mode Unbending (HS)	Selecting good images (NB)	
17:00	CTF/Thon Rings (HS)	CTF Correction (HS)	Missing cone (NB)	
17:30	Automated Pipeline (HS)	Generate Map (HS)	Quality Evaluation (NB)	Participant Dataset/ C-CINA Guided Tour
18:00	Dinner (Science Lounge)		Workshop Dinner	Departure
19:30	Poster Presentation #1	Poster Presentation #2		

LOCATIONS

	MISROCK (Building 1058 - Room P.46)
	TINGUELY (Building 1058 - Room 7.27)
	MANSEER (Building 1078 - Room P.04)
	C-CINA (Near Football table/Water Cooler)
	Science Lounge (7th Floor)
	Lunch (Canteen SV)

CONTACT

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