



## Workshop in cryo-electron tomography

March 10<sup>th</sup>-14<sup>th</sup> 2025

Invited Speakers:

- **Dustin Modaro**, Cryo-EM Facility, Stockholm University
- **Veijo Salo** - EMBL Heidelberg
- **Oda Schiøtz** - Max Planck Institute of Biochemistry, Munich
- **Elisa Lisicki** - Max Planck Institute of Molecular Physiology, Dortmund
- **Marie Sonin** - Department of Medical Biochemistry and Biophysics, UMU

Day 1 Morning			
Time	Lecture	Location	Speaker
8:45-9:00	Coffee	Glasburen	
9:00-9:15	Welcome and course expectations	Glasburen	Erin Schexnaydre
9:15-10:15	Coffee break and project discussion	Glasburen	
10:15-11:00	Cryo-ET Research Talk	Glasburen	Marie Sonin
11:00-12:00	Cryo-ET sample preparation Part I	Glasburen	Lorene Gonnin
12:00-13:00	Lunch		

Day 1 Afternoon		
Time	Practical Sessions	Location
Group 1	Vitroblot plunge freezing	UCEM facility
Group 2	High pressure freezing	C2
Group 3	Micropatterning	A6 44 15

Coffee break at 14:30-15:00 at UCEM facility

Day 2 Morning			
Time	Lecture	Location	Speaker
9:00-10:00	Sample preparation part II	Glasburen	Erin Schexnaydre
10:00-10:15	Coffee Break	Glasburen	
10:15-11:00	Cryo-CLEM research talk	Glasburen	Veijo Salo
11:00-11:45	Cryo-Lift out	Glasburen	Oda Schiøtz

12:00-13:00	Lunch		
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Day 2 Afternoon		
13:00-17:00	Practical Sessions	Location
Group 1	Cryo-CLEM	UCEM facility
Group 2	Cryo-FIB-SEM	UCEM facility
Group 3	Cryo-TEM	UCEM facility

Coffee break at 14:30-15:00 at UCEM facility

Day 3 Morning			
Time	Lecture	Location	Speaker
9:00-10:00	Tiltseries data collection	Glasburen	Sara Sandin
10:00-10:15	Coffee break	Glasburen	
10:15-11:00	Tomogram Visualization and analysis	Glasburen	Tapu Shaikh
11:00-11:45	Research talk	Glasburen	TBA
12:00-13:00	Lunch		

Day 3 Afternoon		
13:00-17:00	Practical Sessions	Location
Group 1	Cryo-TEM (lamella)	UCEM facility
Group 2	Cryo-FIB-SEM (lift-out)	UCEM facility
Group 3	Data reconstruction and analysis	Computer lab

Coffee break at 14:30-15:00 at UCEM facility

Day 4 Morning			
Time	Lecture	Location	Speaker
9:00-10:00	Subtomogram averaging	KBF301	Dustin Modaro
10:00-10:15	Coffee break	KBF301	
10:15-12:00	STA Practical	Computer lab	
12:00-13:00	Lunch		

Day 4 Afternoon		
13:00-17:00	Practical Sessions	Location
Group 1	Data Reconstruction	Computer lab
Group 2	Data Analysis	Computer lab

Day 5			
Time	Lecture	Location	Speaker

9:00-10:00	Research Talk	Glasburen	Elisa Lisicki
10:00-10:15	Coffee break		
10:15-12:00	Practical continuation and Project discussions	Computer lab	