

Day 1: Monday, May 4, 2026 (UG 5)	
9.00-10.00 am	<i>Registration (UG 05, EMF, Basement (-1), Convergence Block)</i>
10:05 am	<i>Welcome Dignitaries and Lamp Lighting</i>
10:10 am	<i>Facility Introduction and Video</i>
10:20 am	<i>Inaugural address by Chief Guests</i>
10:30 am	<i>Introduction with workshop participants</i>
11:00 am	<i>Vote of Thanks by Dr. Prabhakar Singh, EMF, AIIMS New Delhi</i>
11:00-11.30am	High Tea
11:30-1:00 pm	<i>Prof. S. C. Yadav /Prof. T. C. Nag</i> Lecture 1: Principle of TEM, Cryo-EM and Cryo-ET
1:00-2:00 pm	Lunch Break
2:00-3:00 pm	<i>Dr. Vijay Singh, AIIMS, New Delhi</i> Hands-on 1: Growing cells on the grid for cryo-ET
3:00-4:00 pm	<i>Dr. Vineet Chaudhary, AIIMS, New Delhi</i> Lecture 2: High-Pressure Freezing
4:00-7:00 pm	<i>Dr. Indu Barwal, Leica Microsystem & Dr. Shikha Chaudhary, AIIMS New Delhi</i> Hands-on 2: Plunge freezing of cells (EMGP2)
Day 2: Tuesday, May 5, 2026 (UG 5)	
8:00-9:30 am	<i>Dr. Vijay Singh, AIIMS, New Delhi</i> Hands-on 3: Plunge freezing of macromolecules (vitrobot)
9:30-11:00 am	<i>Dr. Sikha Chaudhary/ Dr. Indu Barwal</i> Hands-on 4: Demonstration of experimental procedure for high-pressure freezing
11:00-11.30am	High Tea
11:30-1:00 pm	<i>Dr. Dilip Kumar, Ashoka University, Haryana</i> Lecture 3: Introductory Room temperature to Cryo-Electron Tomography
1:00-2:00 pm	Lunch Break
2:00-4:00 pm	<i>Mr. Hari Krishna, CCMB, Hyderabad, Telangana</i> Hands-on 5: SPA & Tilt series data collection
4:00-5:00 pm	<i>Dr. Kimi Azad, IIT- Delhi</i> Lecture 4: Cryo ET-Sample preparation and Data collection
5:00-7:00 pm	<i>Dr. Uddipan Das, AIIMS, New Delhi</i> Hands-on 6: Data processing by Cryosparc

Inaugural Ceremony

Day 3: Wednesday, May 6, 2026 (UG 18)

8:00-10:00 am	<i>Dr. Digvijay Singh, USA</i> Lecture 5: Molecular photography inside the cell (UG 18)
10:00-11:00 am	<i>Dr. Saikat Chakraborty, University of Oxford, UK</i> Lecture 6: The Art of Seeing Cells in 3D: Cryo-ET Sample Preparation Strategies
11:00-1:00 pm	<i>Mr. Sandeep Singh/ Mr. Chandrashekar, ThermoFisher Scientific</i> Hands-on 7: Cryo Auto slice & view by Hydra PFIB-SEM
1:00-2:00 pm	Lunch break
2:00-3:00 pm	<i>Dr. Mukti Iyer, Application Scientist, Thermo Fisher</i> Lecture 7: Current and Emerging Cryo-FIB Workflows for In-Situ Cryo-ET
3:00-7:00 pm	<i>Dr. Saikat Chakraborty, University of Oxford, UK</i> Hands-on 8: Cryo Lamella Preparation

Day 4: Thursday, May 7, 2026 (UG 18)

8:00-10:00 am	<i>Dr. S. C. Yadav, AIIMS, New Delhi</i> Hands-on 9: Room temperature Auto Slice & View
10:00-11:00 am	<i>Dr. Saikat Chakraborty, University of Oxford, UK</i> Lecture 8: Subtomogram Averaging for In Situ Structural Biology
11:00-11.30am	High Tea
11:30-1:00 am	<i>Dr. Dilip Kumar, Ashoka University, Haryana</i> Lecture 7: Model Building
1:00-2:00 pm	Lunch Break
2:00-3:00 pm	<i>Dr. Sreeparna Biswas, Max Planck Institute of Molecular Physiology, Germany</i> Lecture 9: Sub-tomogram Averaging and Segmentation
3:00-5:00 pm	<i>Dr. Shikha Chaudhary, AIIMS, New Delhi, Dr. Indu Barwal, Leica Microsystem</i> Hands-on 10: Demonstration of CEMOVIS (Cryo Ultramicrotomy)
5:00-6:00 pm	Evaluations and Valedictory