

WORKSHOP

"ADVANCED MICROSCOPIC IMAGING

For colleges and universities faculties & Scientists



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19th-20th September, 2025

Electron Microscope Facility, Department of Anatomy
UG-1, Convergence Block, AIIMS New Delhi

This workshop covers lectures & hands-on training of:

Confocal, Super-Resolution, Atomic-Force, Transmission Electron and Scanning Electron Microscopy

Sponsored by

Anusandhan National Research Foundation (ANRF)
(CRG grant of SERB, CRG/2023/006896)

Only 25 seats

Organizer

Dr Subhash C. Yadav
Dr. Prabhakar Singh
Prof. Tapas C. Nag

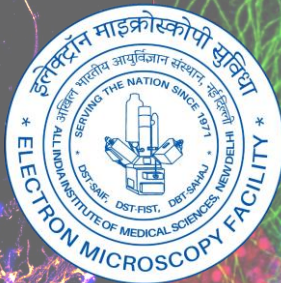
Electron Microscopy Facility, Department
of Anatomy, AIIMS New Delhi
emfdbtsahaj@gmail.com



Programme

19th-20th September, 2025

Lectures	<ol style="list-style-type: none">1. Sample preparation of biological specimens for TEM2. Sample preparation of biological specimens for SEM and imaging3. Confocal microscopy for cellular imaging4. AFM for particulate material and polymers5. 3D imaging and lamellar preparation by cryo-FIB SEM for biological samples6. Cryo-electron microscopy for proteins and macromolecules7. Cryo-electron tomography of biological specimens8. Super resolution microscopy preparation and imaging of biological samples
Hands on training	<ol style="list-style-type: none">A. Biological sample preparation and imaging in TEMB. Sample preparation and imaging on SEMC. Fluorescence Imaging on Confocal MicroscopyD. AFM scanning for particulate material and polymersE. Demonstration of Cryo-FIB SEM for biological samplesF. Electron tomography of biological specimensG. Super resolution microscopy preparation and imaging of biological samplesH. Tour of the SAIF AIIMS Facility with functional demonstration



Research Facility Training Program "MICROSCOPIC IMAGING"

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Only 10 seats

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