

Transmission Electron Microscopy (TEM)

Wednesday, May 6, 2026 (Room No. UG 5)

8:00-9:00 am	Registration (UG 05, EMF, Basement (-1) Convergence Block)
9:00-10:00 am	Prof. T. C. Nag, AIIMS New Delhi Lecture 1: Introduction of TEM and its applications
10:00-11:30 am	Hands-on 1 Group A: Sample preparation for Biological Specimen (19B) Mr. Pradeep, AIIMS Group B: Demonstration of TEM (UG 11) Dr. Shikha Chaudhary, AIIMS
11:30-11:45 am	Tea Break
11:45-1:00 pm	Hands-on 2 Group A: Demonstration of TEM (UG 11) Dr. Shikha Chaudhary, AIIMS Group B: Sample preparation for Biological Specimen (19B) Mr. Pradeep, AIIMS
1:00-2:00 pm	Lunch break
2:00-3:00 pm	Prof. Tony G Jacob, AIIMS New Delhi Lecture 2: Immuno electron Microscopy
3:00-4:30 pm	Hands-on 3 Group A: Ultramicrotomy (UG 15) Mr. Sandeep Kumar Arya and Mr. Gopi Mahto, AIIMS Group B: EM Imaging (UG 11) Mr. Anurag Singh and Mrs. Chanda Panwar, AIIMS
4:30-6:00 pm	Hands-on 4 Group A: TEM Imaging (UG 11) Mr. Anurag Singh and Mrs. Chanda Panwar, AIIMS Group B: Ultramicrotomy (UG 15) Mr. Sandeep Kumar Arya and Mr. Gopi Mahto, , AIIMS

Preconference Workshop

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Thursday, May 7, 2026 (Room No. UG 5)

9:00-10:00 am	<i>Prof. Geetika Singh, AIIMS New Delhi</i> Lecture 4: TEM in kidney diseases
10:00-11:30 am	Hands-on 5 Group A: STEM-HAADF imaging (UG 11) <i>Dr. Shyam K Sinha, TFS</i> Group B: Sample preparation and staining material and Biological Samples (UG 15) <i>Mr. Anurag Singh and Mrs. Chanda Panwar, AIIMS</i>
11:30-11:45 am	Tea Break
11:45-1:00 pm	Hands-on 6 Group A: Sample preparation and staining material and Biological Samples (UG 15) <i>Mr. Anurag Singh and Mrs. Chanda Panwar</i> Group B: STEM-HAADF imaging (UG 11) <i>Dr. Shyam K Sinha, TFS</i>
1:00-2:00 pm	Lunch Break
2:00-3:00 pm	<i>Prof. A. K. Jain, NIOP New Delhi</i> Lecture5: Elemental detection by TEM
3:00-4:00 pm	Hands-on 7 Group A: EDS elemental Mapping (UG 11) <i>Dr. Shyam K Sinha</i> Group B: Ultramicrotomy (UG 15) <i>Mr. Anurag Singh and Mrs. Chanda Panwar</i>
4:00-5:00 pm	Hands-on 8 Group A: Ultramicrotomy Ultramicrotomy (UG 15) <i>Mr. Anurag Singh and Mrs. Chanda Panwar</i> Group B: EDS elemental Mapping (UG 11) <i>Dr. Shyam K Sinha</i>
5:00-6:00 pm	Evaluations and Valedictory

Preconference Workshop