

Bioimaging Workshop

On Ultra Structure Expansion Microscopy

8th - 9th January 2026

Day 1 (8th January)

Theory Session (SBS Meeting Room)		
Time	Topic	Speaker / Venue
10:00 am – 10:30 am	Introduction to Ultrastructure Expansion Microscopy	Dr. Md. Hashim Reza
10:30 am – 11:00 am	Tea Break	
11:00 am – 1:00 pm	Sample Preparation	Dr. Md. Hashim Reza; Venue: Molecular Mycology Lab
1:00 pm – 2:00 pm	Lunch Break	
2:00 pm – 4:00 pm	Sample Preparation (continued)	Dr. Md. Hashim Reza; Venue: Molecular Mycology Lab

Day 2 (9th January)

Expansion Microscopy Lecture Series (SBS Conference Hall)		
Time	Topic	Speaker / Venue
10:00 am – 10:45 am	Introduction to Ultrastructure Expansion Microscopy	Dr. Md. Hashim Reza (JNCASR)
10:45 am – 11:00 am	Tea Break	
11:00 am – 12:00 pm	Expanding Actin Architecture: Ultrastructure Expansion Microscopy from Yeast to Neurons	Dr. Saravanan Palani (IISc, Bangalore)
—	Photo Session	
11:30 am – 1:00 pm	Gel Preparation for U-ExM (Hands-on Demo)	Batch 1; Venue: Molecular Mycology Lab
1:00 pm – 2:00 pm	Lunch Break	
2:30 pm – 3:30 pm	Mapping the Microtubule Cytoskeleton Across Eukaryotes with U-ExM (Online Talk)	Dr. Hiral Shah (EMBL Heidelberg, Germany)
3:30 pm – 4:00 pm	Test and Evaluation	
4:00 pm – 5:30 pm	Gel Preparation for U-ExM (Hands-on Demo)	Batch 2; Venue: Molecular Mycology Lab

Monday, 12 January 2026:

Imaging the gels prepared on 9th January at MBGU Bioimaging facility.
