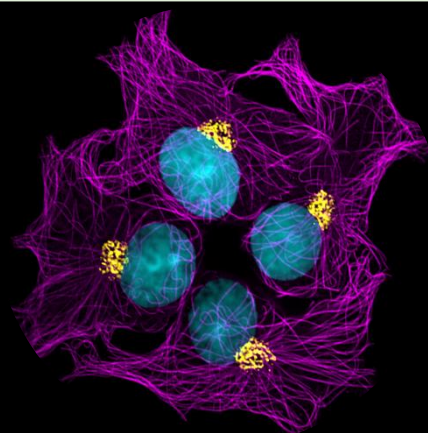


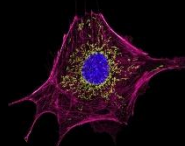
Online Expert Talk

Super-Resolution Microscopy for Decoding Cellular Dynamics



Outline of Expert Talk

- Introduction of Super-Resolution Microscopy
- Fundamentals concepts, Principles and Imaging Techniques (STORM/PALM) of Super-Resolution Microscopy
- Image Reconstruction and Biological Applications in Fixed and Live-Cell Imaging
- Breaking the Diffraction Limit: Principle of Structured Illumination Microscopy and Lattice illumination concept
- SIM² Image Reconstruction and Biological Applications of Lattice SIM 5
- Super-Resolution Imaging: Practical Considerations



Speakers From



Prof. Nitin Mohan
Associate Professor, Department of
Biological Sciences & Bioengineering



भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur



Dr. Somenath Ghatak
Application Specialist Carl
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About SATHI Foundation

SATHI (Sophisticated Analytical & Technical Help Institutes) is a Government of India-supported initiative aimed at providing state-of-the-art analytical instrumentation facilities and technical expertise to researchers from academia, startups, MSMEs, and industry. At BITS Pilani, SATHI serves as a centralized platform for advanced characterization, training, and collaborative research support.

We currently host several advanced analytical and characterization facilities, many of which are already operational and actively supporting researchers from academia and industry.

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