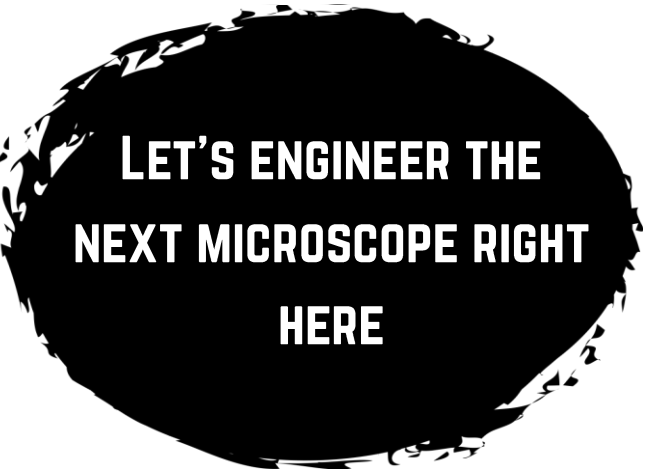


SEMINARS ON TECHNOLOGICAL ADVANCES AND
INNOVATION

**LET'S ENGINEER THE
NEXT MICROSCOPE RIGHT
HERE**



Sudipta Maiti

BITS-PILANI, HYDERABAD

Advanced optical microscopes, costing upwards of 1M USD, sit at the top of the technology pyramid of benchtop scientific instruments. They are products of cutting-edge mechanical, electrical, computational and photonics engineering, combined with innovative optical physics, molecular spectroscopy and chemical synthesis strategies. In this talk I will explain the technologies behind some of the common modules that these modern microscopes share. I will also ask: can India build advanced microscopes that can beat the best? I think we can, by smart reverse and forward engineering. This talk will be an open call to join hands to do that right here in Hyderabad.

Nov

20th

2025

TIFRH Auditorium 16:00 Hrs

Tea/Coffee 15:45 Hrs