



BRIC
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RGCB
DISCOVERIES FOR A
BETTER TOMORROW



HANDS ON TRAINING ON MICROSCOPY TECHNIQUES AND APPLICATIONS

**RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY, DBT- SAHAJ
BIC campus, Akkulam, Trivandrum**

26-29 November 2024

TRAINING HIGHLIGHTS

- Applications and advances: light microscopy to fluorescent microscopy.
- Hands on basic light microscopy: optics and illumination.
- Live cell imaging applications and approaches, diverse live cell imaging systems demo.
- Demonstration on live cell imaging set up: cell preparations, fluorescence imaging, brightfield, 3D widefield imaging.
- Live cell probe development demo: Cell preparation for high resolution live and fixed cell imaging
- Calcium, ATP and apoptosis imaging in real time demo.
- Confocal imaging demo: FRET, FRAP and FLIM imaging.
- Lifetime imaging for interaction studies and lifetime imaging demo using fret probes.
- Fast imaging and high content imaging demo.



COURSE FEE

UG/PG STUDENTS: RS. 5000/- + (INCLUSIVE OF GST)

RESEARCH STUDENTS AND FACULTY: 7500/- + (INCLUSIVE OF GST)

INDUSTRY: 15000/- + (INCLUSIVE OF GST)

NO OF SEATS PER SECTION: 10

Venue: RGCB-BIC Campus, Akkulam campus

Accommodation: Not provided

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