

Training Program on Image-enabled Spectral Flow Cytometry

(Virtual Mode)

Organized by:

Centre for Research and Development of Scientific Instruments (CRDSI)
Indian Institute of Technology, Jodhpur



॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

=====
(10th May 4:30 pm-6:30pm)



Eminent Speakers

Dr. Dinesh Ahirwar
IIT Jodhpur

Dr. Subhadeep Mukherjee
BD Bioscience

Dr. Sumanta Basu
BD Bioscience

The state-of-the-art central instrumentation facility, the Centre for Research & Development of Scientific Instruments (CRDSI) at IIT Jodhpur, provides material characterization services to both the academic and industry users in a variety of advanced scientific instruments, including NMR, SEM, ICP-MS, ED-XRF, DLS, DSC, TGA, Rheometer, BET, Chemisorption, FACS etc. The CRDSI actively supports its users by providing smooth access to resources and technical expertise, fostering an ecosystem conducive to their research. In addition to providing characterization facilities, CRDSI also aims to push the frontiers of technical innovation by developing indigenous scientific instrument. The CRDSI also conducts comprehensive training programs for students, industry users and technical staff on the operation and maintenance of scientific equipment, empowering them with the necessary skills and knowledge to utilize these instruments effectively in their academic as well as R&D activities. Equipped with the cutting edge scientific equipment and expert personnel, CRDSI serves as a pivotal hub for advancing research and innovation across diverse fields. One may find the link to equipment at https://iitj.ac.in/research/index.php?id=research_facilities

Registration Fees: Nil

Registration link: <https://forms.gle/4LxKe4369dqZZ236A>

Who Can Apply

- **Graduates/Post graduates/Ph.D students in any discipline**
- **Industry Professionals**
- **Technical Staff**

(91 291) 280 1344/43/47

office_crdsi@iitj.ac.in

Address: Centre for Research & Development of Scientific Instruments (CRDSI), Indian Institute of Technology, Jodhpur (IITJ), N.H. 62, Nagaur Road, Karwar, 342030, Rajasthan, India

Program Schedule

(10th May 4:30 pm-6:30pm)

4:30 pm	Welcome Address and about CRDSI facilities	Prof. Amitava Mitra, Head, CRDSI, IIT Jodhpur
4:35 pm	About the Training Programme	Dr Jayita Sarkar, Sr. Scientific Officer, CRDSI, IIT Jodhpur
4:40 pm	Utility of Flow Cytometry in Defining Complex Cellular Mechanisms	Dr. Dinesh Kumar Ahirwar, Assistant Professor, Bioscience and Bioengineering, IIT Jodhpur
5:00 pm	Power of Real-time imaging-based cell analysis and sorting	Dr. Sumanta Basu, National Application Manager, BD Biosciences, India/South Asia
5:45 pm	Next-Generation Single Cell Analysis with Real-time Image-enabled Spectral Cell Sorting	Dr. Shubhadeep Mukherjee, Marketing Manager, BD Biosciences, India/South Asia
6:30 pm	Concluding Remarks	Ms. Saloni Sharma, Scientific Officer, CRDSI, IIT Jodhpur
