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Dr. R. A. Nazeer, Head, Department of Biotechnology, SRMIST

Convenors

Dr. S. Nageswaran, Associate Professor, Department of Biotechnology, SRMIST
Dr. K. Venkatesan, Associate Professor, Department of Biotechnology, SRMIST

Registration fee details:

UG/PG/Ph. D. students: Rs. 1000
Faculty: Rs. 1300
Corporate/Industry person: Rs. 2000
Registration fee is non-refundable / non-transferable

Registration link:

<https://forms.gle/5LbttrNnKHo9bybf9>

Last date for registration : 15th December, 2021.

Last date for registration fee payment: 16th December, 2021.

Contact details:

Dr. S. Nageswaran
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Two days online workshop on Fluorescence Activated Cell Sorter (FACS)

17th & 18th December, 2021.

Organised by
Department of Biotechnology



In association with

DST-FIST, Govt. of India and BD India Pvt. Ltd



सत्यमेव जयते
Department of Science and Technology
Ministry of Science and Technology
Government of India



Department of Biotechnology
School of Bioengineering
College of Engineering and Technology
Faculty of Engineering and Technology
SRM Institute of Science and Technology
Kattankulathur - 603 203
Chengalpattu District, Tamilnadu

About SRMIST

SRM Institute of Science and Technology (deemed to be University, u/s of ACT 3 UGC) is located in an extensive sylvan campus of 380 acres skirting the National Highways (NH145), in the outskirts of Chennai. SRMIST is one of the top-ranking Universities and most premier engineering destinations in India with over 52000 students and 3200 faculty members, offering wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine & Health Sciences, Dental Sciences, Agriculture, Law and Science & Humanities. The Institution has moved up through international alliances and collaborative initiatives to achieve global excellence. SRMIST also collaborates with various foreign Universities and National Institutes. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles being the preferred manpower source for vision to be recognized as a world - class learning institution. SRMIST has been accorded Category I status by MHRD-UGC of Government of India and also accredited by NAAC with 'A++' Grade in the year 2018 scientists and students from Biological, Medical and Computational fields. To add a feather to the cap, recently AICTE has awarded Rank 1 position in Smart and Green campus among the private universities in the country.

About the Department

Department of Biotechnology focuses on preparing the students to thrive and be successful in this competitive field. Recently, our department has been accredited by NBA (National Board of Accreditations) for a period of six years (2021-27). Our curriculum and syllabi are crafted to impart recent advancement and understanding about biotechnology along with basic knowledge about research, thus providing a substantial Outcome Based Education of biotechnology to our students. The department constantly updates the latest developments in the fields of bio-pharmaceutical, healthcare, diagnostic, and therapeutic and drug discovery sectors, plant and animal sciences, and environmental sectors along with the core subjects for the betterment of our students. The department has been supported by DST-FIST and DBT for establishing a cutting edge research infrastructure. Further, different funding agencies such as ICMR, SERB DST, DBT and AICTE have supported financially through sponsored projects sanctioned to our faculty members.

Vision of the Department:

To develop as a department of eminence, delivering distinctive learning skills in biotechnology enabling excellence in professional competence and innovation for further betterment of society and mankind.

Mission of the Department:

- To adopt effective teaching methods to improve the learning process and impart knowledge of biology and technology.
- To provide hands-on training and technical skills to transform students into technocrats and facilitate research and higher education in the fields of biotechnology.
- To pursue and promote cutting-edge research in selected fields of biotechnology.

About the workshop:

Fluorescence Activate Cell Sorter (FACS) workshop is aimed to educate and provide basic knowledge about principles and working of a flow cytometer and its applications to the undergraduate, postgraduate students, Ph.D scholars, teaching faculties in college / Universities and Industry person's. This workshop will make the participant understand the basic principles of flow cytometry, instrument components, sample preparation, choice of fluorochrome, multicolor flow cytometry, data analysis through FlowJo software and fluorescence-activated cell sorting. During the workshop we plan to emphasize a few commonly used flow cytometry based experiments like cell proliferation assay, cell cycle analysis, apoptosis assay and cell sorting. This workshop will provide detailed insight into the technique of flow cytometry and its common applications, thereby providing researchers from varying fields with knowledge to understand, plan and carry out experiments using flow cytometry.

This workshop is planned to be conducted through online platform via GCR Meet / Zoom meeting, program of schedule details will be communicated to the registered participants through their communication mail.

Registration Details

Registration is purely based on first cum first serve basis with maximum number of participants is limited to thirty numbers, interested participants are advised to fill and submit the registration form online and only after receiving the confirmation from the organizer participants are advised to remit the registration fee online through NEFT/ RTGS/ UPI payments. Account details for the payment of registration fee will be shared to the participant after the confirmation. Participants are advised to mention FACS Workshop in the remarks field during the online payment.

Participation certificate : Participants attending the entire workshop session will be provided with printed certificate through speed post to their communication address only.