



SRM

INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

FACULTY DEVELOPMENT PROGRAM ON MAMMALIAN CELL CULTURE AND MOLECULAR EXPRESSION TECHNIQUES



Organized By

Department of Biotechnology

School of Bioengineering

College of Engineering & Technology
SRMIST

Date: December 13 - 18, 2021

CHIEF PATRONS

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STEERING COMMITTEE

- Dr. R.A. Nazeer, Professor and Head, Department of Biotechnology, SRMIST.
- Faculty members, Department of Biotechnology, SRMIST.

CONVENORS

- Dr. S.Sujatha, Associate Professor, Department of Biotechnology, School of Bioengineering, SRMIST.
- Dr. Amala Reddy, Assistant Professor, Department of Biotechnology, School of Bioengineering, SRMIST.

REGISTRATION DETAILS

- Eligibility: Only teaching faculty from universities and colleges
- Registration Fee: Rs. 1500/-
- No. of Participants: 50
- Participants willing to participate can register using the given link and submit it on or before 6/12/21
- Selected participants will be intimated regarding the payment of registration fees by 08/12/2021.
- Registration will be confirmed after the payment of the registration fee.

LINK FOR REGISTRATION

<https://forms.gle/Eu16NMwU81piuwL37>

IMPORTANT DATES

- Last date for registration: December 6, 2021
- Date of intimation: December 8, 2021
- Last date of payment: December 10, 2021

ABOUT SRMIST

SRM Institute of Science and Technology (SRMIST, earlier known as SRM University) is ranked as No. 1 Private Engineering Institute in the country by Times of India and accredited by NAAC with A++ Category I. SRMIST has been accorded category I status by MHRD-UGC of Govt. of India. The institute has secured second position in Atal Rankings of Institutions on Innovation Achievements-2020 and is awarded Diamond rating by QS I-Gauge based on its performance metrics. Over the past two decades, SRMIST has set standards in pragmatic education system and knowledge conception across various fields which are well evident from the 300+ funded research projects, 60+ patents and 150+ MoUs in India and abroad. This makes the Institute as a world class the mandate of creating an environment of academic freedom, where bright minds meet, discover and learn.

ABOUT THE DEPARTMENT

The Department of Biotechnology at the School of bioengineering, SRMIST is well known for its advanced academic curriculum and research. It is supported by DST- FIST and DBT (Govt. of India) for research and skill development in advanced life sciences and Engineering technologies.

Department of Biotechnology” is equipped with the state-of-the-art essential as well as sophisticated instruments for teaching and research activities. The department has been successful in receiving extramural grants from national funding resources such as the DBT, DST, ICAR, ICMR, BARC, MHRD and other major sources from industries. Recently, the B.Tech Biotechnology program offered by the Department, has been accredited by National Board of Accreditation for a period of 6 years (2021-2027).

The 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.

The 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 FDP

Animal cell culture has become one of the basic tools for analysis in current day life-science oriented research. It has been touted as one of the "Biology's New Dimension". Cell culture techniques play a crucial role in thrust areas of research such as diabetes, drug discovery, cancer biology, regenerative medicine and basic life science research.

The 6-days workshop is appropriately crafted for those who lack fundamental training in animal cell culture but have the interest to understand the key concepts in animal cell culture. The aim is to impart fundamental knowledge and the techniques to teaching community in the area of animal tissue culture and molecular expression studies. This workshop imparts training to college teachers by equipping them with fundamental knowledge and experiments in the relevant field as a self development program.

Mode of conduct:

- This workshop is planned to be conducted through online platform via GCR Meet/ZOOM Meeting.
- The details will be communicated to the register participants through mail communication.
- Participation certificates will be issued as printed certificates through speed post to the communication address only.

COURSE CONTENT

- The course will include focused lectures and practical sessions on cell culture techniques by experts from allied fields. Specifically, training will be given on:
- Learning the components of a cell culture laboratory, equipments and general lab practices.
- Familiarize with the basic cell culture techniques including media preparation, Cell passaging, Maintaining cell lines, Cryopreservation and Cell viability tests.
- Familiarize with advanced techniques such as analyzing the effect of the drug on molecular expression techniques at gene and protein level using qRT-PCR and Western blot techniques respectively.

OTHER RELEVANT INFORMATION

- The seats are limited to 50 and participants will be selected on the first come first serve basis.
- Participation certificates will be issued to only the participants attending all the sessions.

RESOURCE PERSON

- The sessions of this FDP will be conducted by eminent academicians and industry experts possessing an in-depth knowledge in mammalian cell culture and related fields.
- Dr.Satish Kitambi, COO and Director at K-Life Solutions, Westmarredpally, Secundrabad, A.P., India
- Dr.Vinay Sheel Bansal, FOUNDER, VNS HERBALS, Hyderabad, Telangana, India
- Dr.Senthil Visaga Ambi, Associate Professor, Bioengineering, School of Chemical & Biotechnology, Sastra University, Thanjavur, Tamil Nadu, India
- Dr.V.S.Muthusamy, Associate Director - Clinical Development at Novartis, West Godavari, AP, India
- Dr.I.Praveen Kumar, Assistant Professor (SG), Department of Medical Biotechnology and Integrative Physiology, Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai, Tamil Nadu, India
- Faculty experts of Department of Biotechnology, SRMIST, Kattankulathur, Tamil Nadu, India.

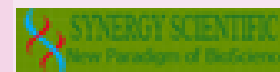
DETAILS OF SPONSORS



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