

**WORKSHOP FOR MEDICAL PRACTITIONERS ON CIRCULATORY MICRO RNA:
A NON-INVASIVE DIAGNOSTIC APPROACH**

Organized by

Department of Biotechnology

School of Bioengineering

Faculty of Engineering & Technology

SRM Institute of Science and Technology

September 26-27, 2019

About the Institute

SRM Institute of Science and Technology (SRMIST, earlier known as SRM University), ranked as No. 1 Private Engineering Institute in the country by Times of India and accredited by NAAC with A++ Category I for next 5 years. The institute is awarded Diamond rating by QS I-Gauge based on its performance metrics. Over the past two decades, SRM Institute of Science and Technology has set standards in pragmatic education system and knowledge conception across various fields which are well evident from the 140+ funded research projects, 30+ patents and 100+ MoU in India and abroad. This makes the institute as world class with the mandate of creating an environment of academic freedom, where bright minds meet, discover and learn.

Department of Biotechnology

The Department of Biotechnology at SRM Institute of Science and Technology is well known for its advanced academic curriculum and advanced research. The department is built with various technical laboratories in the field of Biotechnology under one roof. Department of Biotechnology is equipped with the state-of-the-art essential as well as advanced instruments for teaching and research activities. The department has been successful in conducting national and international level conferences and workshops annually. There are technical experts in various fields of research including Neurobiology, Molecular Immunology, Infection Biology, Stem cell Research, Cancer Biology, Tissue Engineering, Environmental Biotechnology, Bioprocess Engineering and Bioremediation. The Department also has various government funded research projects from DBT, DST, ICMR, CSIR and private agencies. The School of Bioengineering is supported by DST-FIST, to strengthen the infrastructure facilities.

About the Workshop

Peripheral blood microRNAs (miRNAs) are endogenous, noncoding small RNAs present in blood. Because of their size, abundance, tissue specificity, and relative stability in peripheral circulation, they offer great promise of becoming a potential diagnostic tool. This workshop is intended for medical practitioners and Post graduates to gain knowledge on the use of circulatory microRNAs in molecular diagnostics. The workshop will be a two days hands-on program, designed to cover basic molecular techniques used in the modern laboratory concentrating on isolation of circulatory microRNA from serum, complimentary DNA synthesis and expression of miRNA by Real Time PCR. The aim of this workshop is to introduce participants about the potential application of microRNA in non-invasive diagnostic approach

DAY-1 (September 26, 2019)

- 09:30 – 10:45 A.M. - INAGURATION
10:45 – 11:00 A.M. - TEA BREAK
11:00 – 11:45 A.M. - INVITED LECTURE
Dr. Rajalakshmi
Professor, Department of Pathology,
Sree Balaji Medical College and Hospital,
Chrompet, Chennai.
- 11:45 – 01:00 P.M. - SESSION – I
Isolation and enrichment of circulating miRNAs in blood
plasma/serum
01:00 – 01:45 P.M. - LUNCH
01:45 – 04:00 P.M. - SESSION – II
cDNA synthesis
02:45 – 03:00 P.M. - TEA BREAK

DAY- 2 (September 27, 2019)

- 09:30 – 10:30 A.M. - INVITED LECTURE
Dr. T.Sripriya
Sr.consultant Radiologist
Kamakshi Memorial hospital and Sri scans
Chennai.
- 10:30 – 11:30 A.M. - SESSION – I
Expression of precursor miRNAs using Real-
time PCR
11:30 – 11:45 A.M. - TEA BREAK
01:15 – 02:00 P.M. - LUNCH
02:00 – 03:45 P.M. - Valedictory Function and Certificate Distribution
03:45 – 04:00 P.M. - TEA BREAK

Registration Details

Registration Fee: INR 500/-

Number of participants is restricted to a maximum of 20.

Participants willing to register should send the completed registration form to barathis@srmist.edu.in. Selected participants will be intimated (purely based on first come first serve basis) regarding the payment of registration fees.

Registration form can also be downloaded from the dept. website

The Registration fee amount may be paid through online remittance to the following account or through demand draft drawn in favor of “BIOTECH ASSOCIATION” payable at Chennai.

The Registration fee amount should be transferred to the following account:

Account Number: 117001002089882

Account Name: BIOTECH ASSOCIATION

Account Type: Saving A/C

Bank Name: City Union Bank

Branch: Tambaram

IFSC Code: CIUB0000117

Important Dates:

Date of Workshop: September 26-27, 2019.

Last date for registration: September 25, 2019.

Spot registration is also available.

Address for Communication:

The Convener

Department of Biotechnology,

School of Bioengineering,

SRM Institute of Science and Technology,

Kattankulathur – 603203.

Mobile: 9840061849

Email:barathis@srmist.edu.in

Workshop Registration Form

Eligibility: Post-Graduates and Research students

Name : _____

Name of the Institute/College : _____

Mailing Address : _____

Mobile : _____

E-mail : _____

Page 5

Patrons

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