



SRI LAKSHMI NARAYANA INSTITUTE OF MEDICAL SCIENCES

Department of Microbiology

cordially invites you for the

Hands-on Training workshop on

Diagnostic role of RT-PCR in infectious disease

23rd June – 25th June, 2022



TNMC

Credit points awaited

Salient Features of the Workshop:

- Lectures and Laboratory training will be provided by skilled resource persons
- Certificate of participation will be issued to the participants
- Exposure to laboratory safety regulations

Registration



<https://forms.gle/ncQfLjAogLcGkE7JA>

Participants:

Faculties, PGs, Scholars & students (Health Care & Life Science), public health and clinical laboratory staff, and persons interested in PCR and real-time PCR techniques.

Max no of participants **30**
on first come first serve basis

Under the aegis of

MEDICAL EDUCATION UNIT, SLIMS

CHIEF PATRONS

Dr. S. Jagathrakshakan

(Founder Chancellor, Bharath Institute of Higher Education & Research, Chennai)

Dr. J. Sundeep Aanand

(Chairman, Bharath Institute of Higher Education & Research, Chennai)

PATRONS

Dr. G. Jayalakshmi

Dean, SLIMS, Puducherry

Dr. Asayas Bosco Chandra Kumar

Medical Superintendent, SLIMS, Puducherry

Dr. Pammy Sinha

Vice Principal, SLIMS, Puducherry

Organizing Chairperson

Dr. Abarna. V

Prof & HOD Microbiology

MEU Co-ordinator

Dr. Vijisha Phalgunan

Prof & HOD Anatomy

Organizing committee

Dr. Pradha. V

Associate Professor, Microbiology

Dr. Naveen Kumar. C

Associate Professor, Microbiology

Dr. Dhanaleha. P

Assistant Professor, Microbiology

Mrs. Swathi. S

Assistant Professor, Microbiology

Dr. Vaishnavadevi. G

Assistant Professor, Microbiology

Dr. Lijitha. S.G

Assistant Professor, Microbiology

Dr. Sundar. K

Scientist cum Technical Director, Molecular Biology Lab

Workshop Schedule

23.06.2022 (Day 1)

09.30-10.00	Registration	
10.00-10.30	Inauguration	
10.30-10.45	Pretest	
10.45-11.00	Refreshment	
11.00-12.00	Introduction to RT-PCR and its applications in disease diagnosis	Dr. G. Jayalakshmi Dean, SLIMS
12.00-13.00	Recent trends and opportunities in Molecular Diagnosis & Troubleshooting	Dr. Santhya ST Lab director/Consultant Molecular Biologist Arunai Medical College & Hospital
13.00-14.00	Lunch	
14.00-15.00	BSL-2 Laboratory workflow Biomedical waste segregation and disposal – Hands-on	Dr. Naveen Kumar. C Asso. Prof. Microbiology Mrs. Swathi. S Asst. Prof. Microbiology
15.00-16.00	Donning and doffing – Hands-on	Dr. Sundar
16.00-17.00	Sample collection, Transportation and storage – Hands-on	Scientist

24.06.2022 (Day 2)

09.30-10.30	Biosafety levels in laboratories	Dr. Abarna. V Prof. & HOD, Microbiology
10.30-10.50	Tea Break	
10.50-12.00	Sample processing and nucleic acid extraction methods	Dr. Pradha. V Asso. Prof. Microbiology
12.00-12.30	Video lecture on working principle of RT-PCR	Dr. Naveen Kumar. C Asso. Prof. Microbiology
12.30-13.30	Lunch	
13.30-14.30	Viral RNA extraction using automated extractor – Hands-on	Dr. Vaishnavadevi. G Asst Prof, Microbiology
14.30-15.00	PCR MM preparation and template addition for COVID-19 – Hands-on	Dr. Lijitha. S.G Asst Prof, Microbiology
	Handling and operation of RT-PCR – Hands-on	Dr. Sundar Scientist
15.30-16.00	Good Clinical Laboratory Practice (GCLP) – Group Discussion	Technical support from AtheneseDx
16.00-17.00	Result interpretation and reporting	

25.06.2022 (Day 3)

09.30-10.30	Microbial DNA/RNA extraction by spin column method – Hands-on
10.30-10.50	Refreshment
10.50-11.30	Real Time PCR for Microbial gene identification- Hands-on
11.30-12.30	Brainstorming session - Trouble shooting in nucleic acid extraction and RT-PCR
12.30-13.00	Result interpretation and reporting
13.00-13.45	Lunch
13.45-14.45	ISO 15189: 2012 Medical Laboratories - Requirements for Quality and Competence
14.45-15.45	Nucleic acid Sequencing methods and strain identification
15.45-16.15	Post test
16.15-17.00	Feedback-Valedictory-Certificate distribution

Dr. Vaishnavadevi. G
Asst. Prof, Microbiology

Dr. Lijitha. S.G
Asst. Prof, Microbiology

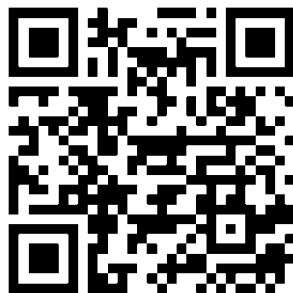
Dr. Sundar
Scientist

Technical support from
AtheneseDx

Dr. Dhanaleha. P
Asst. Prof. Microbiology

Dr. Sundar. K
Scientist

REGISTER NOW!



<https://forms.gle/ncQfLjAogLcGkE7JA>

Contact

Dr. Sundar. K
Scientist cum Technical Director
Molecular Biology Lab
8825792882
slismicroevents@gmail.com



MC-3753

NABL accredited lab



Rs. 1500/-

Pay



Sundar K 8825792882