

ABOUT THE WORKSHOP

Digital PCR (dPCR) is a revolutionary technology enabling precise quantification of target nucleic acids. This training program is aimed to equip researchers with the skills to exploit dPCR's potential.

Course Objectives

- Understand dPCR principles and applications
- Learn experimental design, data analysis and interpretation

Training includes

- Instructor-led lectures
- Hands-on laboratory training
- group discussions

Who Should Attend

PG students, Ph.D students, Technical Staff, Project staff, Researchers, Scientists, Molecular biologists

REGISTRATION FEE

The workshop fee is Rs.1500/- + 18% GST. It includes lunch and tea during the workshop.

Payment of fees: Online payment of course fee in favor of Director, SCTIMST to Institutes account No: 57001148263, IFSC: SBIN0070032.

Selected few applicants can bring their own sample for analysis with necessary RT PCR data for payment of additional amount of Rs.750.00.

Chief patron

Dr. Sanjay Behari, Director,
SCTIMST

Chairperson

Dr. Harikrishna Varma, Scientist-G
(Sr. Grade) and Head, BMT wing,
SCTIMST Trivandrum

Key contacts

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Organizing committee

Dr. Anil Kumar TV
HOD, Department of Applied Biology.

Manju G Nair, Technical Assistant, Div
of Microbial Technology. BMT Wing,
SCTIMST.

Moon Moon Baglari, PhD student, Div
of Microbial Technology. BMT Wing,
SCTIMST.

Mayoori G Shetty, PhD student, Div of
Microbial Technology. BMT Wing,
SCTIMST.

Faculty:

1. **Dr.Sivaranjini C Moharir**,
Sr.Scientist, TIGS.

2. **Mr. Hemanth Medidhi**,
Sr. Application specialist. Oigen.

Supported by DBT Sahaj project (8205)
and M/s Qiagen India pvt Ltd.



**Div. of Microbial Technology, BMT
Wing, Sree Chitra Tirunal Institute for
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Poojapura, Thiruvananthapuram –
695012, Kerala, India**



**Workshop on
“Digital PCR” - Power
of precision PCR.**

From 23rd to 24th October 2024

Applications are open up to 21st October 2024

**Venue : Div. of Microbial Technology, (SAHAJ
Facility- CD Block) BMT Wing**

• How to register

Fill the registration form given below and E. mail to
anmaya@sctimst.ac.in / pradeep@sctimst.ac.in

Workshop on “Digital PCR”- Power of precision PCR.

23rd-24th October 2024, SCTIMST, Trivandrum

Venue: Div. of Microbial Technology, (SAHAJ Facility- CD Block) BMT Wing

Schedule for the Workshop

Day 1- 23/10/2024

| | |
|-----------------|---|
| 8:30 - 9:30 AM | Registration |
| 9.30- 10.00 AM | Inaugural meeting |
| 10:00- 10:15 AM | Tea Break |
| 10.30 – 1.00 PM | Speaker: Mr. Hemanth Medidhi, Sr.Application specialist, Qiagen. Topics: Basics of Digital PCR (dPCR), assay design, advantages of dPCR in different applications. |
| 1:00- 2:00 PM | Lunch Break |
| 2:00- 3:30PM | Hands on demo- dPCR and analysis of sample |
| 3:30-4:00PM | Tea Break |
| 4:00-5:00PM | Data analysis and good experimental practice |

Day 2 - 24/10/2024

| | |
|-----------------|---|
| 9:30-10:30AM | Recap of Day 1 |
| 10:30-11:00AM | Tea Break |
| 11:00 AM-1:00PM | Analysis of sample from participants. |
| 1:00-2:00PM | Lunch Break |
| 2:00-3:00PM | Interpreting dPCR data and Software solutions for dPCR analysis. |
| 3:00-4:00PM | Talk by Dr. Sivaranjini Moharir, Senior Scientist, Tata Institute of Genetics and Society(TIGS) |
| 4.00 PM | Feedback and distribution of certificates. |
| 4.30 PM | Tea Break |