



## **8<sup>th</sup> BASIC MOLECULAR PATHOLOGY WORKSHOP**

(In Association with Molecular Pathology Association of India- MPAI)

16<sup>th</sup> to 21<sup>st</sup> January 2023



**Organized by :**

Department of Cytogenetics & Molecular Genetics,

TATA Medical Centre, New Town Rajarhat, Kolkata-700156

## 8th Basic Molecular Pathology Workshop

(In Association with Molecular Pathology Association of India)

16th to 21st January, 2023 (Mon to Sat)

**Department of Cytogenetics & Molecular Genetics,  
Tata Medical Centre (TMC), Kolkata, West Bengal, India.**

### Workshop Description:

This workshop is intended for Post - MD Registrars / Sr Residents / Fellows / Junior Faculty in Departments of Pathology and Bio-Medical Scientist (PhD) who have an interest in Molecular Pathology. The Workshop will be a 06 day hands-on program, designed to provide a basic understanding of molecular biology techniques as applied to current day diagnosis in pathology. The workshop will familiarize attendees with all the infra-structure, equipment and consumables that are required in the setting-up of a Molecular Genetics / Cytogenetic laboratory.

The Workshop will deal with various methodologies of DNA / RNA extraction from peripheral blood, bone marrow specimens and extraction of DNA / RNA from FFPE sections / Saliva / Buccal Swab / Plasma (cfDNA). Quality control of DNA / RNA extracts by Nano-Drop / spectrophotometer / Qubit, gel runs and Tape Station will be shown. cDNA preparation, GUS-PCR, RT-PCR with all its modifications, RQ-PCR for quantitative analysis in hematological disorders (CML, APML etc.), viral diseases (CMV, HBV, HCV etc.) will be demonstrated and practiced. Issues related to trouble- shooting in PCR / Real Time PCR analysis will be discussed. Molecular cytogenetic (FISH, m-FISH etc.) in haemato-lymphoid and solid tumors will also be demonstrated and practiced. Newer instruments / technologies like NGS and droplet digital PCR (ddPCR) will be demonstrated.

The work-shop will emphasize on the fact that at the end of this program the attendees should be able to set-up a molecular genetics lab in their Organization/Department.

### Workshop Size: 15

**Note:** There will be a selection process based on the filled –up Registration Form details. It will take into account Pathologists/Bio-Medical Scientist (PhD) who are about to start or keen to start Molecular Pathology diagnostic facilities in their institutes /hospitals.

## Registration:

Kindly send completed registration form with a Cheque (at par) / bank DD worth **INR 15,000/-** in favor of “**Tata Medical Centre Trust** “to be payable at **Kolkata**.

Last date for Registration is **10<sup>th</sup> December, 2022**. Selected delegates will be intimated by **20<sup>th</sup> December, 2022**. Cheque / DD will be returned to applicants, who could not find a place in this edition of the Workshop. We will give them priority the next time.

Participants from DIAMOND PROJECT CENTRE’s would be given preference.

## Accommodation:

The participants will have to arrange for their own accommodation. Complimentary accommodation will not be provided.

## DOWNLOAD Registration Form at

[www.mpai.co.in](http://www.mpai.co.in); [www.tmckolkata.com](http://www.tmckolkata.com); [www.iapm.org.in](http://www.iapm.org.in)

## Address for Correspondence:

### 1. **Dr (Col) Deepak Kumar Mishra,**

Departments of Laboratory Haematology & Molecular Genetics,  
Tata Medical Centre, New Town, Rajarhat, Kolkata – 700156.

E mail: [deepak.mishra@tmckolkata.com](mailto:deepak.mishra@tmckolkata.com)

Telephone: 033-66057754

### 2. **Dr Mayur Parihar,**

Departments of Laboratory Haematology & Cytogenetics,  
Tata Medical Centre, New Town, Rajarhat, Kolkata – 700156.

E mail: [mayur.parihar@tmckolkata.com](mailto:mayur.parihar@tmckolkata.com)

Telephone: 033-66057755

### 3. **Dr Sushant S. Vinarkar,**

Department of Laboratory Haematology & Molecular Genetics,  
Tata Medical Centre, New Town, Rajarhat, Kolkata-700156.

Email: [sushant.vinarkar@tmckolkata.com](mailto:sushant.vinarkar@tmckolkata.com)

Telephone: 033-66057758

# 8<sup>th</sup> Basic Molecular Pathology Workshop

(In association with Molecular Pathology Association of India- MPAI)

16<sup>th</sup> to 21<sup>st</sup> January, 2023(Mon to Sat)

Department of Lab Haematology, Molecular Genetics & Cytogenetics  
TATA Medical Centre, Kolkata, West Bengal, India.

## Registration Form

Name:

Age/Sex:

Position / Institute Affiliation:

Institute Address:

E-mail:

Cell - Phone No.:

Qualifications (with year of passing):

**Current Position:** Assoc Prof / Asst Prof /Sr Resident/Fellow/Registrar/Consultant/Bio-Medical Scientist

**Registration Fees – Cheque (atpar) / Demand Draft**

DD / ChequeNumber:

Dated:

Bank Name:

Amount: **INR 15,000.00**

**DD / Cheque** should be drawn in favor of “Tata Medical Centre Trust” payable at Kolkata

(Write Name and the Cell number at the back of the DD / Cheque)

### **Address for Correspondence:**

**1. Dr (Col) Deepak Kumar Mishra,**

Department of Laboratory Haematology & Molecular Genetics,  
Tata Medical Centre, New Town, Rajarhat, Kolkata – 700156.

E-mail: [deepak.mishra@tmckolkata.com](mailto:deepak.mishra@tmckolkata.com);

Telephone: 033 – 66057754 (Off)

**2. Dr Mayur Parihar,**

Department of Laboratory Haematology & Cytogenetics,  
Tata Medical Centre, New Town, Rajarhat, Kolkata – 700156.

E-mail: [mayur.parihar@tmckolkata.com](mailto:mayur.parihar@tmckolkata.com);

Telephone: 033-66057755

**3. Dr Sushant S. Vinarkar,**

Department of Laboratory Haematology & Molecular Genetics,  
Tata Medical Centre, New Town, Rajarhat, Kolkata-700156.

Email: [sushant.vinarkar@tmckolkata.com](mailto:sushant.vinarkar@tmckolkata.com);

Telephone: 033-66057758

