



## 9<sup>th</sup> BASIC MOLECULAR PATHOLOGY WORKSHOP

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

15<sup>th</sup> to 20<sup>th</sup> April 2024



**Organized by :**

Department of Cytogenetics & Molecular Genetics,

TATA Medical Center, New Town Rajarhat, Kolkata-700160

## **9th Basic Molecular Pathology Workshop**

(In Association with Molecular Pathology Association of India)

**15th to 20th April 2024 (Mon to Sat)**

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

### **Workshop Description:**

Tata Medical Center Kolkata would be conducting Molecular Pathology workshop biyearly. This workshop is intended only 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 days 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, APLM 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 workshop 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. Pathologists who are about to start or keen to start Molecular Pathology diagnostic facilities in their institutes /hospitals would be preferred.

## Registration:

Kindly send completed registration form and CV 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> March 2024**. Selected delegates will be intimated by **15<sup>th</sup> March 2024**. Cheque / DD will be returned to applicants, who could not find a place in this edition of the Workshop. They can reapply for the next edition of the workshop to be held in September 2024.

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, 14 MAR(E-W), New Town, Rajarhat, Kolkata – 700160.

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

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Telephone: 033-66057758

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**Department of Molecular Genetics & Cytogenetics  
TATA Medical Center, 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

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

DD / ChequeNumber:

Dated:

Bank Name:

Amount: **INR 15,000.00**

**Kindly attach your CV with the registration form. DD / Cheque** should be drawn in favor of “Tata Medical Centre Trust” payable at Kolkata (Write Name and the Mobile number at the back of the DD / Cheque)

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