



Workshop On Basic Molecular Diagnostic Techniques



Jointly Organized by

**Molecular Diagnostics and Research Laboratory,
Government Institute of Medical Sciences, Greater Noida
&**

Molecular Pathology Association of India

Date: 3rd & 4th November 2022.

**Venue: Molecular Diagnostics and Research Laboratory, Research
Wing, Hospital Building, GIMS**

Objectives:

The Workshop will be a 02 days hands-on experience, 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 Biology laboratory.

Beneficiaries:

This workshop is intended for: Residents/Registrars/Sr Residents/Fellows/Assistant Professor, Associate Professor and Junior Faculty in Departments of Pathology, Biochemistry, Microbiology and Clinical residents who have an interest in Basic Molecular Diagnostics Techniques.

Highlights:

1. Introduction to terminologies and techniques in Basic Molecular Diagnostics (lecture)
2. Collection of sample for molecular testing and DNA/RNA extraction from different specimens (demonstration and exercise)
3. Basics of Primer designing (lecture, demonstration and exercise)
4. DNA amplification by conventional and real time PCR (demonstration and exercise)
5. Technical considerations, trouble shootings in PCR and qPCR
6. Interpretation of results of PCR and qPCR and data analysis (exercise)
7. Digital PCR: principles of and diagnostic application
8. Guest lecture by DHR-ICMR on enhancing country's molecular diagnosis capacity

Workshop Size: 25

Note: There will be a selection process based on the filled –up Registration Form details

Registration:

Kindly send completed registration form with a Cheque (at par) / bank DD worth INR 10,000/- (for faculty). 8,000/- (for students) in favour of “GIMS RESEARCH AND CME ACCOUNT”

Last date for Registration is 15th October, 2022. Selected delegates will be intimated by 25th October, 2022. Cheque / DD will be returned to the un-selected delegates.

Note: Registration Form is on Page – 3 .

Address for Correspondence:

Dr. Vivek Gupta, (MPAI Member)

Associate Professor, Department of Pathology, &

In-charge Molecular Diagnostics and Research Laboratory,

Government Institute of Medical Sciences,

Greater Noida 201310

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Scientist B

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Registration Form

Name :

Age/Sex :

Position / Institute Affiliation : Institute Address :

Land-Line No. :

Cell- Phone No. :

E - mail :

Qualifications (with year of passing) :

Current Position : Assoc Prof / Asst Prof / Sr Resident (Yr 1/2/3) / Fellow / Registrar /
Jr Resident (Yr 2/3) / Consultant / Any Others

Registration Fees – Cheque (at par) / Demand Draft. DD / Cheque Number :

Dated : Bank Name :

Amount : INR 10,000 /- (for faculty). 8,000/- (for students)

DD / Cheque should be drawn in favor of “GIMS RESEARCH AND CME ACCOUNT”
payable at Greater Noida (Write Name and the Cell number at the back of the DD / Cheque)

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