

## HANDS ON WORKSHOP ON MOLECULAR TECHNIQUES

With rapid growth in molecular techniques, its scope of application is widening in medicine. Increased application of molecular diagnostics in clinical services has seen a sudden spurt of molecular labs in our country. However, this has highlighted an acute shortage of trained laboratory personnel and to address this issue, we have initiated a program to train individuals who are likely to take up this challenge or who are already involved in molecular work.

### ABOUT THE COURSE

This workshop will focus on practical sessions in nucleic acid extraction from blood and paraffin-embedded tissues, PCR, Electrophoresis, Mutation detection techniques, cDNA synthesis, Real-time PCR, Methylation PCR, Fluorescent PCR and DNA sequencing. The participants will be exposed to several molecular assays for the diagnosis and prognosis of haematological disorders (e.g., thalassemia, leukaemia) and solid tumours (e.g., lung adenocarcinomas, gliomas). This course will also provide a comprehensive overview of NGS, including the basics of NGS technologies and their applications, Sample Preparation, Sequencing Techniques, Data Analysis, and Applications of NGS. Standardisation of tests and quality control in molecular diagnostics will also be covered through a series of lectures delivered by both internal and external faculty.

### ELIGIBILITY

- Persons with a MD/Ph.D working in an academic/ research institution or in a private laboratory or M.Sc with laboratory experience. Only Indian nationals can apply. The applications will be shortlisted and selected candidates will be requested to register. The registration fee will include accommodation, local travel and food (except dinner).
- Those who have attended previously are not eligible.

### IMPORTANT DATES

Only online application will be accepted. Online application can be accessed on our website (<http://www.moleculardiagnosticcourse.net>) from 20th May 2026.

The last date for receiving application : 20<sup>th</sup> June 2026.  
Intimation of selection : 30<sup>th</sup> June 2026.

REGISTER  
NOW!

### Contact Us

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## VELLORE HAEMATOLOGY FORUM MOLECULAR HAEMATO-ONCOLOGY GROUP

# 10<sup>th</sup> BASIC COURSE IN MOLECULAR DIAGNOSTICS

DEPARTMENTS OF HAEMATOLOGY & PATHOLOGY

24-04  
AUG SEP

Haematology Lab, A Block,  
7<sup>th</sup> Floor, CMC-Vellore,  
Ranipet Campus



### Organizing Secretaries:

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