

**WORKSHOP-16****MOLECULAR PATHOLOGY- EXPERIENCE HANDS ON TRAINING AND LEARNING**

The workshop aims on providing hands on experience on:

- Performing DNA extraction, PCR, gel run and its interpretation.
- Demonstration of real time PCR and training on interpretation of BCR: ABL, Q PCR data.
- Demonstration of automated DNA extraction.
- Interpretation of data on various PCR, in different disorders.

**VENUE:** BMCRI, Victoria hospital campus, New OPD Building 6<sup>th</sup> floor.

**DURATION:** 8.30 AM TO 6.00 PM

**TARGET AUDIENCE:** Post graduates and Consultants

**PARTICIPANTS:** 30 Delegates

8:30am to 9am	Registration and briefing on procedures.
9am to 9:30am	1 <sup>st</sup> lecture, DNA extraction, reagent, procedure, kits, conventional method.
9:30am to 11:30am	DNA extraction.
11:30am to 11:40am	Tea break.
11:40 to 12.10pm	2 <sup>nd</sup> Lecture: Nanodrop and Qubit analysis of DNA quality, master mix and primer.
12.10pm to 12.45 pm	Checking the DNA Quality on Nanodrop and Qubit
12:45pm to 1:15pm	Setting up for PCR.
1:15pm to 2pm	Lunch.
2pm to 2:30pm	Real time PCR, demo and analysis of data of BCR:ABL.
2:30pm to 3pm	Automated extraction demonstration
3pm to 3:30pm	Gel preparation and loading of PCR products with ladder.
3:30pm to 4:30pm	Data interpretation of PCR products on Geldoc.
4:30pm to 5.00pm	3 <sup>rd</sup> Lecture: HGVS nomenclature.
5.00 pm to 5:30pm	Various clinical reports interpretation.
5:30pm to 5:45pm	Q & A, & closing remarks with high tea.



## Resource faculty:

**Dr Ashwini B R**  
**Associate Professor**  
**Department of Pathology**  
**BMCRI**



**Dr. Prabhu Meghanathan**  
**Director and Consultant Surgical Pathologist**  
**Hybironomics Life Sciences and Diagnostics.**

