

Workshop on Real Time PCR Based Diagnosis of Infections and Genetic Diseases

Pre-conference Workshop - 13th February, 9:00AM to 4:00PM

Venue: Conference Hall, 7th Floor, A-Block, Ranipet Campus.

Coordinators: Dr. Sitara Ajjampur, Dr. Shaji R.V., Dr. Soma Pradhan & Dr. Jesina Samuel

Resource personnel : Neelagandan Kamalanathan

Faculty: Dr. Malathi Manuel, Dr. Tintu Varghese, Dr. Diviya Alex, Dr. Vijayalakshmi Ramshankar, Dr. Ekta Jajodia

Timings	Topic
09:00AM - 09:15AM	Welcome and introduction of participants, faculty and coordinators
Session I - Introduction to Real time PCR technique	
09:15AM - 10:00AM	Introduction to qPCR /Types of chemistries- <i>Dr. Shaji R. V. , CMC Vellore</i>
10:00AM - 10:15AM	Coffee Break
Session II - Seegene Technology	
10:15AM - 11:00AM	Introduction to Seegene technology - <i>Application specialist, Seegene</i>
11:00AM - 11:30 AM	Detection of point mutations by multiplex PCR- <i>Dr. Soma Pradhan, CMC Vellore</i>
11:30AM - 12:00PM	Virus genotyping- <i>Dr. Vijayalakshmi Ramshankar, Cancer Institute (WIA), Adyar, Chennai.</i>
12:00PM - 01:00PM	Demonstration and hands-on time for setting up the reaction.
01:00PM - 02:00PM	Lunch
Session III - Clinical Applications	
02:00PM - 02:30PM	Development of in-house qPCR assays for infectious diseases diagnostics- <i>Dr. Malathi Manuel , CMC Vellore</i>
02:30PM - 03:00PM	Application of Taqman Array Cards for pathogen detection - Experiences from large scale enteric pathogen detection surveys- <i>Dr. Tintu Varghese, CMC Vellore</i>
03:00PM - 03:30PM	Application of Real time PCR in (BCR::ABL1) Diagnosis - <i>Dr. Ekta Jajodia, Unipath Speciality Laboratory, Ahmedabad</i>
03:30PM - 04:00PM	Utility of Real time PCR in Cinical Virology- <i>Dr. Diviya Alex, CMC Vellore</i>
04:00PM - 04:30PM	Closing, Questions and Tea