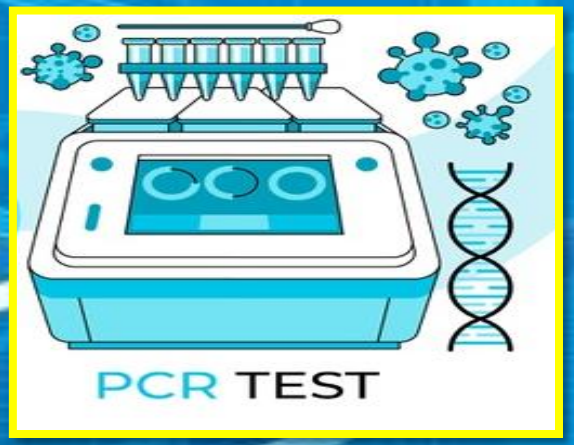
CSIR Skill Development Program

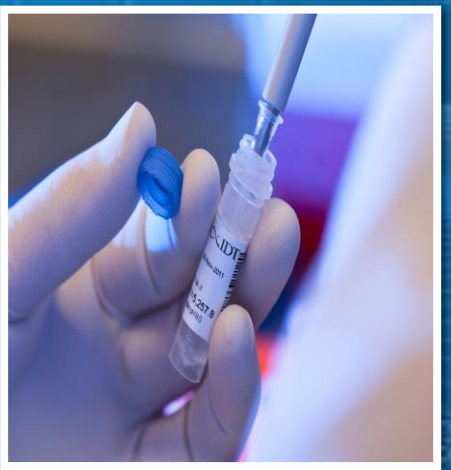
HANDS-ON TRAINING and WORKSHOP on

PCR and Real Time PCR (RT-PCR)

From March 1st - 5th, 2021

Organised by:
CSIR-Indian Institute of Integrative Medicine Jammu





Workshop is intended for

Post graduate/ graduate students

Research scholars

Virtual attendees

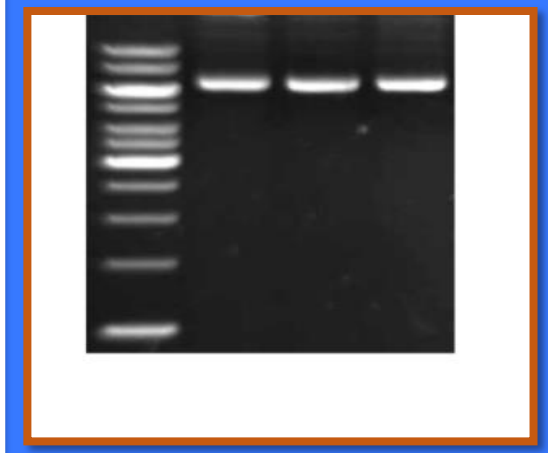
Patron
Dr. D Srinivasa Reddy
Director, CSIR-IIIM

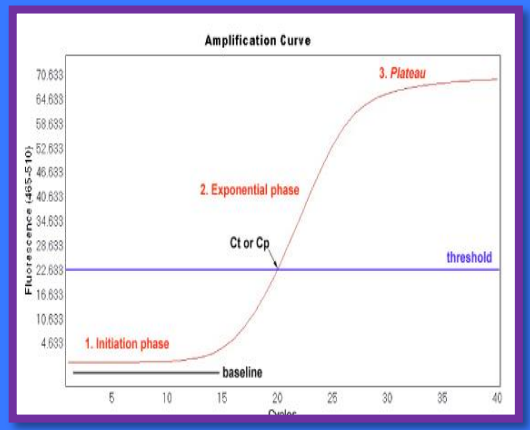
Coordinators
Dr. G.D. Singh
Dr. Sumit Gandhi
Dr. Kuljit Singh
Dr. Rashmi Sharma

PCR and RT-PCR

Polymerase chain reaction (PCR) is a method widely used to rapidly make millions to billions of copies of a specific DNA sample, allowing scientists to take a very small sample of DNA and amplify it to a large enough amount to study in detail.

Reverse Transcription PCR (RT-PCR), variant of PCR, is used for amplifying DNA from RNA. Reverse transcriptase reverse transcribes RNA into cDNA, which is then amplified by PCR. RT-PCR is widely used in expression profiling, to determine the expression of a gene or to identify the sequence of an RNA transcript, including transcription start and termination sites.





Workshop design

- Introduction to the general principles on PCR and Real time PCR (RT-PCR)
- Hands-on training for DNA and RNA extraction
- Set-up of PCR and RT-PCR reactions
- Agarose gel electrophoresis demonstration
- Gene expression analysis of RT-PCR results
- Technical specifications and troubleshooting

Confirmed Speakers

Dr. Inshad Ali Khan, Professor, Central University of Rajasthan
Dr. Prabhu B. Patil, Principal Scientist CSIR-IMTECH, Chandigarh
Dr. Sandeep Dogra, Associate Professor, GMC, Jammu
Dr. Praveensingh Hajerii, University of Minnesota, USA
Dr. I. D. Khan, Medical Officer, Command Hospital, Udhampur
Dr. Sumit Gandhi, Principal Scientist, CSIR-IIIM, Jammu
Dr. Dharitri Rath, Assistant Professor, IIT-Jammu
Dr. Ravinder Singh, Assistant Professor, SKAUST
Dr. Nitin P. Kalia, Assistant Professor, NIPER-Hyderabad
Dr. S. Shirish Kumar, Product Specialist, Qiagen

Registration

Interested candidates are requested to fill the online application form
https://forms.gle/WLBBsWnaJYJtSb5y6

Contact details

Email address: workshop.iiim@gmail.com
Mob. No.: 9419118730 and 9814771545

Fee details

For in-person members
(max. 5 participants) - Rs. 2000/- each
For virtual members
(max. 30 participants) - Rs. 500/- each

Registration form

Name	
Parentage	
Qualification	
Current Work Place	
Address	
Phone	
Email	
Mode of participation (In-person or Virtual)	
Mention considerable interests	

Online Registration Link: https://forms.gle/WLBBsWnaJYJtSb5y6