



WORKSHOP

“MOLECULAR TECHNIQUES IN BIOMEDICAL RESEARCH”

Date: May 27th - 28th, 2022

Venue: Council Hall, New Academic Block / Central Research Lab - VMMC&H

Organized by

Central Research Laboratory for Biomedical Research and Molecular Biology

ABOUT THE WORKSHOP

Molecular biology relates to understanding the interactions between the various systems of a cell, including the interrelationship of DNA, RNA and protein synthesis and learning how these interactions are regulated. The recent advancements in Molecular Biology Techniques play a major role in biomedical and healthcare innovations. The current workshop focuses on basic molecular biology tools and techniques. The participants persons will be provided theoretical knowledge with emphasis on hands-on training through experimentation. At the end of the workshop, participants would be able to do PCR, RFLP and gene expression analysis using RTPCR.

PATRONS

CHIEF PATRONS

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Mr. N. V. Chandrasekar

Madam Trustee
Mrs. Arunadevi Chandrasekar

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ORGANIZING TEAM

TEAM MEMBERS

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Joint Secretary

Dr. K. Murugesan,
Coordinator

Ms. K. Devi Raja Rajeswari,
Joint Coordinator

TWO DAYS WORKSHOP

Limited seats only.
Registration is on first
come first serve basis.

FOR MORE INFO:

Mobile: +91 96775 77749 | +91 98436 10926 | Email ID: crl@vmmckkl.edu.in

LECTURE TOPIC

CURRENT TRENDS IN USING PCR AND RT-PCR IN BIOMEDICAL RESEARCH

Time: 9.30 am to 11.00 am **Venue:** Council Hall, New Academic Block.

HANDS ON TRAINING

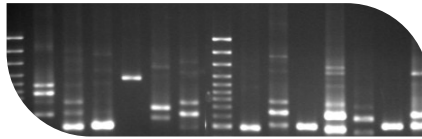
Module - I

- Genomic DNA isolation
- Quantification of DNA through Nanodrop
- Set up of PCR conditions
- Restriction digestion reaction
- Agarose Gel analysis

Module - II

- Total RNA extraction
- Quantification of RNA through Nanodrop
- cDNA synthesis
- Real time PCR reaction setup
- Gene expression analysis
- Technical Specifications and Troubleshooting

Venue: Central Research Laboratory, VMMC&H



REGISTRATION DETAILS

Participants: Faculty, PG and UG students

Register online: [Apply Now - Online](#)

Registration Fees*: **Rs.2500**

Registration closes : **20.05.2022**

REGISTRATION DETAILS

E-Transfer

Selected applicants should make payment through NEFT/ online Transfer

Account Number: **6916651950**

Account name: **VMRF - DU - RESEARCH FUND**

Bank name: **Indian Bank**

Branch Name: **Karaikal**

IFSC Code: **IDIB000K016**

***Fees paid is not refundable and non-transferable under any circumstances**

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