



AARUPADAI VEEDU MEDICAL COLLEGE & HOSPITAL

VINAYAKA MISSION'S RESEARCH FOUNDATION - Deemed to be University



The Second mCBR Workshop - BASIC MOLECULAR BIOLOGY TECHNIQUES & ITS APPLICATIONS

February 15th - 17th 2021

Venue: Center for Biomedical Research, AVMC, Puducherry

Organized by

Multi-disciplinary- Center for Biomedical Research, AVMC, Puducherry

The three days workshop focuses on the basics of molecular techniques for medical professionals who aspire to do molecular research. In this workshop technical talks and the hands-on-sessions for each individuals will be conducted by the subject expertise. This workshop is suitable for Clinicians, Research Scholars and UG & PG students.

Day 1 Extraction (DNA, RNA & Protein).

Day 2 Qualitative & Quantitative analysis of DNA, RNA & Protein

Day 3 SNP Analysis (qPCR)

REGISTRATION DETAILS

3
Days

THREE DAY
WORKSHOP

Register online

<https://cutt.ly/Qh5monP>

CLICK HERE

Early Bird registration ₹ 5000

Early bird registration deadline 20th Jan 2021

Late Registration fee ₹ 6000

Registration closes 10th Feb 2021

Contact us

mcb.avmc@gmail.com

REGISTRATION ON FIRST COME
FIRST SERVED BASIS

Only
20
PARTICIPANTS

PATRONS

CHIEF PATRONS

Honorable Chancellor

Dr. A.S.GANESAN

Madam Chancellor

Dr. ANURADHA GANESAN

PATRONS

Mr. J. SURESH SAMUEL, M.BoM

Dr. P.F. KOTUR, Dean

ADVISORY COMMITTEE

Dr. V.N. MAHALAKSHMI, Dean-HPE

Dr. K. JAYASINGH, Medical Superintendent

Dr. T. RAJAN, Vice-Principal

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4
Points

CME credit hours will be awarded
by Tamilnadu Medical Council &
CME credit points by Tamilnadu
Dr. MGR Medical University

*Applied

PROGRAMME SCHEDULE

Day-1

Theory:

- Basics in molecular biology
- Principles of nucleic acid extraction
- Spin column-based DNA and RNA isolation
- Protein extraction & SDS PAGE
- How PCR works
- PCR programming
- Primer designing

Hands -on training:

- DNA isolation
- RNA isolation
- Protein Isolation

Day-2

Theory:

- Real time PCR vs. Conventional PCR
- Quantitative PCR probes and principles of real time assays
- Choosing the right PCR composition
- PCR trouble shooting

Hands -on training:

- Protein extraction
- SDS PAGE
- DNA , RNA and protein quantification using spectrophotometer
- Preparing PCR mastermix
- Setting up PCR
- Casting agarose gel / Electrophoresis

Day-3

Theory:

- Genetic studies based on real time PCR

Hands -on training:

- SDS PAGE cont.
- Staining & destaining
- SNP analysis

Resource Persons



Dr. Sambandam Ravikumar,
Synthetic Biologist



Dr. M. Aarthi,
Pharmacogeneticist



Dr. N. Prithviraj,
Molecular Biologist

Contact us

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