Gandhi Medical College

Department of Microbiology

GENE-esis - The PCR Paradigm

Mastering Molecular Diagnostics from Sample to Signal.

WORKSHOP SEGMENTS

- Unlocking Doubts
- Primer Design
- Mastermix Optimization
- Quality Assurance



- Amplification Precision
- Hands-on Multiplex plex and RT-PCR dynamics
- Decoding the signal: Melt-curve Analysis and Trouble shooting

EARN 2 TGMC CREDIT POINTS

WHO CAN ATTEND: UGs, PGs, Research scholars, Interested faculty

REGISTRATION FEE: Early bird - Rs.700 | Spot registration - Rs. 800

PAYMENT DETAILS: Account No. 50100503228999 | IFSC Code HDFC0004154
Name: EDDULA VENKATA SURYA

ORGANISED BY: Dr.Taruni, Principal Investigator(PI), VRDL,
Department of Microbiology, Gandhi Medical College, Secunderabad

Date :2-12-2026

Time:8:30 AM to 5 PM

Register Now!

VENUE: VRDL, Department of Microbiology, Gandhi Medical College, Secunderabad.

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Session	Topics covered	Faculty and Scientists	Time
Spot Registration from 8.30AM			
	Welcome Address	Dr. Sujatha	
	Overview of syndromic approach	Dr. Taruni	9.00AM -9.30 AM
Session 1	Fundamentals of PCR	Dr. Kavitha	9.30 AM-10.30 AM
Session 2	Types and applications of PCR	Dr. Pavani	
	Inaugural Function		10.30-11.00
Session 3	Multiplex RT-PCR Primers and Probe design RT-PCR Interpretation of the results	Mr. Amrithesh Kumar Arun	11.00 AM -11.45AM
Session 4	Trouble shooting and Quality assurance of RT-PCR	Dr. Santhoshi Rani	11.45AM-12.15AM
	Practical Session		
Session 5	DNA/RNA extraction-Hands on training	Dr. Brahmeshwar Mr. Majeed	12.15 PM-1.00 PM
	Lunch		1.00 PM-2.00PM
Session 6	Hands on training on Multiplex PCR and Interpretation of the Results	Dr. Santhoshi Rani Mr. Amrithesh Mr. Majeed	2.00PM-5.00PM
	Vote of thanks	Dr. Sadia Sulthana	

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