

# MOLECULAR PATHOLOGY & PCR TECHNIQUES



BLOOD TEST

BACTERIA

BACTERIA

VIRUS

PARASITE

INFLAMMATION

BLOOD TEST

**ADN CoE**<sup>®</sup>

Training, Research Center & Core Lab

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# DAY 1

## Foundations of Molecular Pathology & PCR Technology

Time	Session	Format
09:00 – 09:30	Registration & Welcome Coffee	Opening Remarks
09:30 – 10:00	Principles of Molecular Pathology in Modern Diagnostics	Lecture
10:00 – 11:00	Fundamentals of PCR: Conventional, Real-Time & Quantitative Techniques	Lecture
11:00 – 11:15	Coffee Break	Networking
11:15 – 12:30	DNA & RNA Extraction Methods in Molecular Diagnostics	Case-Based Discussion
13:00 – 14:00	Lunch Break	Networking
13:30 – 14:45	Laboratory Setup, Biosafety & Quality Control in PCR Laboratories	Clinical Strategy Session
14:45 – 15:00	Coffee Break	Networking
15:00 – 16:00	Step-by-Step PCR Workflow: Sample Preparation to Amplification	Practical Workshop
16:00 – 16:30	Interpretation of PCR Results & Troubleshooting	Technical Session
16:30 – 17:00	Day 1 Wrap-Up & Open Q&A	Wrap-Up

# DAY 2

## Advanced Molecular Diagnostics, Simulation & Clinical Integration

Time	Session	Format
09:00 – 09:30	Morning Coffee & Day 1 Recap	Lecture
09:30 – 10:45	Molecular Biomarkers in Oncology & Personalized Medicine	Case-Based Lecture
10:45 – 11:00	Coffee Break	Networking
11:00 – 12:15	High-Fidelity Simulation of PCR-Based Diagnostic Workflows	High-Fidelity Simulation
12:15 – 13:15	Lunch Break	Networking
13:15 – 14:15	Integration of Molecular Testing with Histopathology	Multidisciplinary Simulation
14:00 – 14:15	Coffee Break	Networking
14:15 – 15:30	Quality Assurance & Validation in Molecular Pathology Laboratories	Advanced Simulation
15:30 – 16:15	Data Interpretation, Reporting & Clinical Decision Support	Integrated Workflow Session
16:15 – 16:45	Outcome Optimization & Quality Metrics in Molecular Diagnostics	Systems-Based Review
16:45 – 17:00	Closing Remarks & Certificate Distribution	Wrap up

# VENUE

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SCAN



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# ACCOMMODATION

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### BOOKING POLICY

The deadline for hotel booking is 10 days before the course. Unfortunately, ADN CoE cannot guarantee room availability past that deadline. Bookings are made on a first-come, first-served basis. In case of non-availability, we shall do our best to re-accommodate you in a nearby hotel of equal standard.

# Useful Information



## Transfer

The transfer vehicle will accompany you during the training.



## Training Location

**ADN CoE Training, Research Center & Core Lab**

İnkılap Mahallesi Dr. Adnan Büyükdeniz Caddesi No:13, A Blok,  
K:3 D:7, 34768 Ümraniye, İstanbul / Türkiye



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## Dress Code

Business Casual - Smart Casual





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