

Undergraduate Students (Observership)

Basic Training Program (B01) Molecular Laboratory Techniques

Cost: AED 6,499
 (VAT is not included in the above price)

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Duration	Based on university requirements
Format	Lecture & Observership + Simulated Lab Workshop (Non-clinical)
Target Group	Undergraduate students in Life Sciences
Location	FSG Lab – Meeting Room FSG Molecular Laboratory Eppendorf Customer Experience Center
Certificate	Certificate of Attendance (Not valid for licensing)

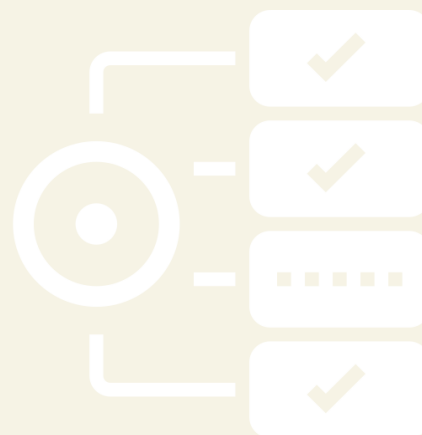
Program Overview

This foundational training provides undergraduate students with supervised exposure to essential molecular biology techniques using high-quality instrumentation and real-world lab workflows. Participants observe and learn in a certified diagnostic and research facility, combining lectures, guided observership, and simulated hands-on sessions.

Program Objectives

By the end of the training, participants will:

-  Understand the foundational principles of molecular biology
-  Observe nucleic acid extraction and quantification workflows
-  Gain exposure to PCR and electrophoresis techniques
-  Be introduced to sequencing workflows and bioinformatics tools
-  Learn basic laboratory safety, workflow structure, and documentation practices



Modules & Topics Covered

- ✓ **Module 1:** Introduction to Molecular Biology & Nucleic Acid Extraction
- ✓ **Module 2:** PCR and Gel Electrophoresis
- ✓ **Module 3:** Basic Sequencing and Bioinformatics



Why Train with Us?

- Delivered in partnership with Eppendorf, a global leader in life science lab technologies
- Conducted in a GMP-certified facility
- Access to advanced equipment
- Real lab setting + simulated experience = best of both worlds
- Personalized supervision by licensed technologists and research trainers
- Structured to meet university-accredited elective training requirements



