

● ALLELE LIFE SCIENCES

Training Programs Brochure

Hands-on biotechnology skill development that bridges the gap between academic theory and industry-floor competency.

Industry Ready Training · Short-Term Training · Weekend Workshops
· Study Abroad Prep · Medical Professionals

INDUSTRY READY
TRAINING

SHORT-TERM TRAINING

TRAINING WORKSHOPS

STUDY ABROAD TRAINING

MEDICAL PROFESSIONALS

CERTIFIED ON
COMPLETION

Turn Lab Time Into Career Skills

A modern biotechnology skill development program bridges the gap between academic theory and industry requirements. Whether you have a weekend or three months, Allele Life Sciences has a hands-on format built around real instruments — not slideshows.

5

TRAINING FORMATS

12–300

HOURS PER PROGRAM

15+

INSTRUMENTS & PLATFORMS

Noida

IN-HOUSE TRAINING LAB

01

Industry Ready Training

A 300-hour immersive program across molecular genetics, cell biology, protein biology, immunology and analytical chemistry.

02

Short-Term Training

Focused 80-hour courses across six specialisations — ideal for a summer break or single-semester elective.

03

Training Workshops

Intensive 12-hour weekend workshops that build working proficiency on one core instrument or technique.

04

Study Abroad Training

A 300-hour lab-readiness program for students preparing for postgraduate study or research abroad.

05

Medical Professionals

Weekend clinical-diagnostics workshops for doctors, dentists, vets and Ayurvedacharyas.

+

Certificate on Completion

Every trainee receives a certificate of completion after finishing their program's hands-on requirements.

01

Industry Ready Training

JOB-ORIENTED BIOTECH & PHARMA PROGRAM

A comprehensive, lab-floor training program built to make you proficient in the conventional and cutting-edge techniques used across biopharma, diagnostics and food-testing industries.

Module I — Molecular Genetics Techniques

Hands-on nucleic acid extraction, quantification, PCR and Real-Time PCR analysis for life science, healthcare and food research careers.

Module II — Cell Biology & Drug Discovery

Cell-based drug screening, cell proliferation tracking by microscopy, and flow cytometry analysis.

Module III — Vaccine Research & Protein Biology

Downstream processing skills: protein extraction, quantification, SDS-PAGE, Western blot and FPLC.

Module IV — Immunology & Immuno-Techniques

Antibody purification, ELISA and chemiluminescence-based diagnostic immuno-techniques.

Module V — Analytical Techniques & Chromatography

Quantitative spectrophotometry, advanced HPLC and gas chromatography (GC) techniques.

Career paths: QC Analytical Chemist, Molecular Diagnostics Executive, Bioprocess/Downstream Associate, In-Vitro Screening Scientist, Analytical Toxicologist

DURATION

300 hrs, up to 90 days

FEE

₹50,000 (Indian) · \$1,000 (Foreign) — fixed, non-negotiable

ELIGIBILITY

B.Sc / M.Sc / B.Tech / M.Tech / Ph.D. in Biotech, Microbiology, Biochemistry, Life Sciences, Pharmacy; also early-career professionals & faculty

02

Short-Term Training

SUMMER & SEMESTER-BREAK PROGRAMS

Focused 80-hour courses that let you specialise in one core discipline — ideal for a summer break, a single-semester elective, or a fast track into a specific technique.

Course I — Molecular Genetics Techniques

Nucleic acid extraction, quantification, cDNA synthesis, PCR, Real-Time PCR analysis and gel documentation.

Course II — Cell Biology & Drug Discovery

Cell-based drug screening, cell growth tracking, and flow cytometry using inverted and fluorescence microscopy.

Course III — Vaccine Research & Protein Biology

Protein extraction, precise quantification, and automated FPLC purification systems.

Course IV — Immunology & Immunotechniques

Antibody purification, ELISA and sophisticated diagnostic immunotechniques.

Course V — Analytical Techniques & Chromatography

Quantitative spectrophotometry, advanced HPLC and gas chromatography (GC) techniques.

Course VI — Forensic Science & Technology

Forensic workflows from crime-scene evidence collection and fingerprint profiling to laboratory analysis.

Format: choose one course per enrolment; each runs as a standalone 80-hour specialisation

DURATION

80 hrs, up to 45 days

FEE

₹12,000 (Indian) · \$200 (Foreign)
per course — fixed, non-negotiable

ELIGIBILITY

UG / PG / Ph.D. candidates in Biotech, Microbiology, Biochemistry, Life Sciences, Pharmacy or Biochemical Engineering; early-career professionals & faculty

03

Training Workshops

WEEKEND HANDS-ON SKILL SESSIONS

Short, intensive weekend workshops built around one instrument or technique at a time — exposure to industry-grade equipment without a multi-week commitment.

In-Vitro Cell Culture

Sterile technique, cell counting and viability analysis, and cryopreservation basics.

Flow Cytometry

Multi-parameter analysis of cell populations and hands-on instrument operation.

Real-Time PCR

Reaction setup, amplification, optimisation, and qPCR data analysis.

Protein Purification (FPLC)

Low-pressure liquid chromatography, column selection, and live purification runs.

HPLC

Method setup, compound separation, and chromatogram interpretation.

Gas Chromatography

Separation and analysis of volatile compounds using GC instrumentation.

Format: pick any single workshop; pre-registration required, seats are limited

DURATION

12 hrs / weekend (pre-registration required)

FEE

₹5,000 (Indian) · \$100 (Foreign)
per workshop — fixed, non-negotiable

ELIGIBILITY

UG / PG / Ph.D. students, early-career professionals, QA/QC analysts and academic faculty

04

Study Abroad Training

LAB-READINESS FOR POSTGRADUATE STUDY OVERSEAS

International postgraduate and Ph.D. programs expect incoming students to arrive with hands-on lab competency. This 300-hour program builds that practical foundation before you go.

Module I — Molecular Genetics & Advanced Diagnostics

Nucleic acid extraction, fluorometric/spectrophotometric quantification, endpoint PCR and high-resolution qPCR data processing.

Module II — Cell Biology & Functional Therapeutics

Multi-parameter flow cytometry, real-time cell proliferation tracking, and cell-based drug screening cascades.

Module III — Bioprocess Engineering & Downstream Processing

Western blotting, SDS-PAGE, Fast Protein Liquid Chromatography (FPLC), and scalable protein extraction.

Module IV — Immunotherapeutics & Advanced Immuno-Assays

Antibody purification through to chromogenic ELISA and wide-dynamic-range Chemiluminescence Immunoassays (CLIA).

Module V — Analytical Instrumentation & Chromatography

Volatile compound profiling by GC, HPLC method development, and high-precision quantitative spectrophotometry.

Added benefit: strengthens scholarship and admission chances; an optional research project adds further academic weight

DURATION

300 hrs, up to 90 days

FEE

₹50,000 (Indian) — optional research project + ₹20,000

ELIGIBILITY

B.Sc / M.Sc / B.Tech / M.Tech / Ph.D. candidates in Biotech, Microbiology, Biochemistry, Life Sciences or Pharmacy

05

Medical Professionals Training

CLINICAL DIAGNOSTICS WORKSHOPS

Weekend clinical-diagnostics workshops that give practising doctors, dentists and vets hands-on familiarity with the lab methods behind the diagnostics they encounter clinically.

Clinical Flow Cytometry

Immunophenotyping to support detection of leukemias and genetic disorders.

Fluorescence In Situ Hybridisation (FISH)

Detection of chromosomal abnormalities relevant to hematologic and genetic disease.

Real-Time PCR — Clinical Applications

Pathogen detection and viral load assessment using qPCR platforms.

Diagnostics by ELISA

Serology-based disease detection and antigen/antibody quantification.

Western Blot Analysis

Confirmatory protein-based diagnostic testing.

Immunofluorescence Assay (IFA)

Autoimmune disease testing using fluorescently labelled antibodies.

HPLC Diagnostics

Quantification of metabolic markers, hemoglobin variants and therapeutic drugs.

Why it matters: helps clinicians engage more effectively with diagnostics vendors, translational research and biotech collaborations relevant to patient care

DURATION

12 hrs / weekend (pre-registration required)

FEE

₹6,000 (Indian) · \$100 (Foreign)
per workshop — fixed, non-negotiable

ELIGIBILITY

UG / PG students, Medical Doctors, Dentists, Veterinary Doctors, Ayurvedacharyas, and academic faculty

Why Train With Allele

Every program runs on real instruments in a working laboratory — not a lecture hall — so you leave with proficiency, not just notes.

A

Hands-On, Not Just Lecture

Every module is structured around real equipment and supervised practice sessions, not slideshows.

B

Industry-Grade Equipment

Train on the same class of platforms used in QC labs, CROs and diagnostic centres — qPCR, flow cytometers, FPLC, HPLC and GC systems.

C

Certified on Completion

Every trainee receives a certificate of completion at the end of their program.

D

Flexible Formats

Choose a single weekend workshop, an 80-hour specialisation, or the full 300-hour immersive program.

1

Choose Your Program

Pick the format and specialisation that matches your goals and timeline.

2

Register & Confirm Fee

Submit the registration form; the program fee covers reagents, consumables and dedicated instrument time.

3

Train & Get Certified

Work hands-on with real lab equipment under expert guidance and receive your certificate on completion.

Let's Build Your Lab Skills.

Tell us your background and timeline, and our team will recommend the right program and confirm the fee and next batch dates.

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TRAINING FACILITY

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OPEN HOURS

Monday – Friday	10:00 – 17:00
Saturday (by appointment)	11:00 – 13:00