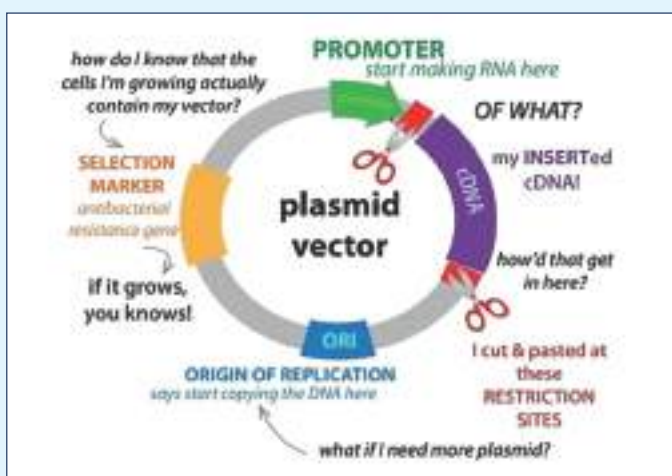
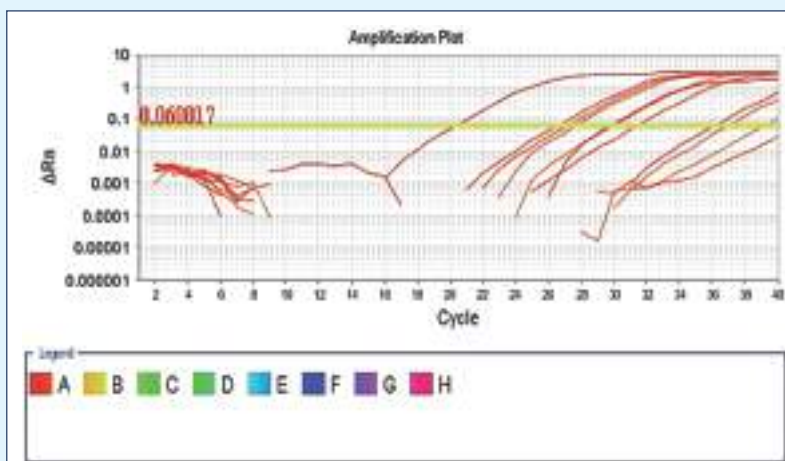


A 21-Day Training Course on “Integrated Methods in Molecular Biology and Cell Culture”

September 10-30, 2026



Course Director : Dr. Aman Kumar
Course Coordinator : Dr. Kanisht Batra
Course Faculty : Dr. Sushila Maan
Dr. Pawan Kumar
Dr. Joshi V. G.



Organized by
Department of Animal Biotechnology
College of Veterinary Sciences, LUVAS
Hisar-125 004, Haryana





APPLICATION FORM



- 1 Full Name: _____
- 2 Designation: _____
- 3 Sex: _____ Date of Birth _____
- 4 Present Address: _____

- 5 Tel No. _____ (Office) _____ (Res.) _____
- 6 Email ID _____
- 7 Teaching/ research /professional experience along with the posts held (During last five years)

Post held	Institution	Period	Nature of Duty

9. Academic Records

Exam Passed	Subjects	Year of Passing	Percent/ OGPA	University

Date :

Place :

Recommendation of forwarding institution/organization.

Signature of the Applicant

OBJECTIVES

Advances in biotechnology have revolutionized disease diagnosis, drug evaluation, vaccine development, and biomedical research. Modern molecular diagnostic technologies enable the rapid, sensitive, specific, and reliable detection of known pathogens and disease-associated targets, while also providing powerful approaches for the identification and characterization of emerging and novel infectious agents. Despite the rapid development of molecular techniques, conventional methods such as cell culture remain essential and continue to serve as important reference approaches for pathogen isolation, characterization, antiviral screening, and in vitro evaluation of therapeutic interventions. The integration of molecular biology and cell culture techniques has therefore become indispensable in contemporary diagnostic, therapeutic, and research applications. In view of these developments, the present practical training programme has been designed to provide participants with comprehensive hands-on training in essential molecular biology, molecular diagnostic, recombinant DNA, bioinformatics, and cell culture techniques. The programme combines practical demonstrations and laboratory-based exercises with relevant theoretical sessions to strengthen conceptual understanding, develop technical competency, and enable participants to effectively interpret and apply the results generated through these approaches. The training is intended to provide participants with practical skills that can be directly applied in diagnostic laboratories, research institutions, academic laboratories, pharmaceutical and biotechnology industries, and related scientific fields.

Course Contents :

- ✓ Sample collection, transport and storage for molecular diagnostics
- ✓ Reagents preparation and calculations for molecular biology experiments
- ✓ Extraction and purification of nucleic acids (DNA/RNA) of pathogens from diverse biological sample.
- ✓ Qualitative and quantitative assessment of Nucleic acid
- ✓ Primer designing and PCR technology, Real-time PCR
- ✓ Electrophoretic (AGE) separation of nucleic acid.
- ✓ Recombinant DNA Technology/ Molecular cloning
- ✓ Diagnosis and therapeutic applications of peptides.
- ✓ Bioinformatic tools and molecular diagnostic development.
- ✓ Preparation of cell culture media
- ✓ Maintenance of different cell lines.
- ✓ Propagation of viruses in cell lines.

Hisar: It is located 180 Km from Delhi, 320 Km from Jaipur. It is connected from Delhi by train as well as bus. The buses ply between interstate bus terminuses (ISBT) New Delhi and Hisar. There are four trains from Delhi to Hisar viz., Gorakdham Express, Shri Ganganagar Express, Kisan Express and Sirsa Express.

Duration: September 10-30, 2026

Course Fees and selection: Indian participants are requested to pay a sum of Rs. 8000/- (Rs.Eight thousand only) while for foreign delegates US\$ 200 per week as registration fee. The registration fee shall be deposited in cash at the time of registration. Selection of candidates will be done on first come and first serve basis. Results will be notified to selected candidates on 9th September, 2026.

Accommodation: Arrangements for the stay of the participants (if he/she is govt./private employee) during the training program will be made in faculty house of the University on the payment basis. For others, private PG/Hotels are available in the city.

Number of participants: The maximum number of participants shall not exceed 20.

Participants and eligibility: Participants are invited from ICAR Institutes/ SAU/Basic Science Institutes/ State Governments/Private Organizations. Students from relevant disciplines can also participate.

How to apply: The application for participation may be sent in prescribed format, duly forwarded by Head of the institution. It should reach to the Course Director latest by **8th September, 2026 up to 5:00 PM** by post, in-person, fax or email. **TA & DA of the participants will be borne by participants/sponsoring institutions/ organizations etc. The participants will also have to pay for their boarding and lodging charges during the training program. The organizers of the course will not bear any expenses on account of the participants.**



All correspondence may please be addressed to:

Dr. Aman Kumar

Course Director cum Prof. & Head

Department of Animal Biotechnology, LUVAS, Hisar

Phone No. 01662- 256130 (office)

Dr. Kanisht Batra (Cell: 9466263979)

Email : hod.abt@luvas.edu.in, drkanishtbatra@gmail.com

Photocopy of the application form can be used

