Application Form

1. Full Name: _____
2. Designation: _____
3. Sex: _____ 4. Date of birth _____
5 Present address:
_____
_____
6 Tel No. _____ (office)_____(Res)
7 Email address _____
8 Teaching/ research /professional experience along with the posts held (During last five years)

Post held	Institution	Period	Nature of duty

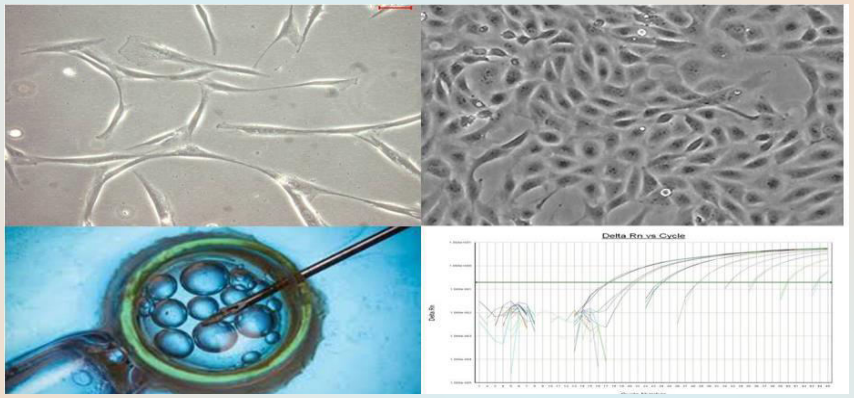
9 Academic records

Exam Passed	Subjects	Year of passing	Percent/ OGPA	University
Ph.D.				
Master degree				
Bachelor degree				

Signature of the applicant

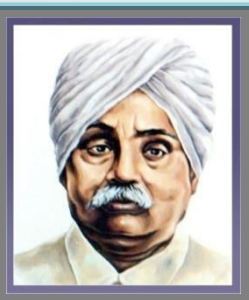
10 Date: _____
11 Place: _____
12 Recommendation of forwarding institution/organization:

Training Course on "Protocols in Biotechnology and Cell culture" September 10th to 30th, 2024



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

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



OBJECTIVES

Recent advances in the Biotechnology has opened new avenues in disease diagnosis, drug testing and vaccine production. These advanced molecular techniques of disease diagnosis have the potential to quickly, reliably and unequivocally diagnose known pathogens/conditions as well as have the potential for novel pathogen detection. The advanced techniques like Real time PCR has been adopted worldwide for detection of different pathogens as well as can their loads in the clinical samples. Although the molecular biology techniques achieved a great height but the classical techniques like cell culture is still a gold standard for isolation of pathogens and in vitro study of different drugs. These have proved their vital role in various biomedical applications such as diagnostics and therapeutics during COVID-19 pandemic. These tools are also useful in the area of forensic science, molecular medicine and to know the food adulteration. Since, advanced techniques are generating huge data hence, to handle and analyze these data bioinformatics tools are necessary. Therefore, present practical training course is designed to provide hands on training on protocols of biotechnology and cell culture. The training programme will also include theoretical aspects of biotechnology and cell culture techniques for better understanding of the practical events.

Course contents:

- Extraction and purification of genetic material of pathogens from diverse biological sample.
- Quality assessment of Nucleic acid
- PCR technology.
- Electrophoretic separation of nucleic acid.
- Real-time PCR.
- Molecular cloning
- Sequencing of Nucleic acid(DNA)
- Diagnosis and therapeutic applications of peptides.
- Bioinformatic tools and molecular diagnosis.
- Preparation of cell culture media
- Maintenance of Different cell lines.
- Propagation of viruses in cell lines.
- Cryopreservation of cells

Hisar: It is located 165 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 three trains from Delhi *viz*., Gorakhdham Express (leaves New Delhi Railway station at 5:30 AM) Kisan Express (leaves Old Delhi railway station at 2:00PM) and Sirsa Express (leaves New Delhi Railway station at 5:55PM).

Duration: September 10th to 30th, 2024

Course Fees*:* 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, 2024.

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/ Sate 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 **7th September 2024 up to 4:30 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. Sushila Maan, Course Director cum Prof. & Head
Department of Animal Biotechnology, LUVAS, Hisar
Phone no. 01662- 256130 (office).
Dr. Kanisht Batra, Course Coordinator (Cell: 9466263979)
Email: hod.abt@luvas.edu.in, drkanishtbatra@gmail.com
Photocopy of the application form can be used