



5 -Day Training Programme
On

Laboratory Biosafety and Biosecurity

1. Duration:

- This training programme will be of 5 days that is from 16th July 2019 to 20th July 2019 from 1000 HRS to 1700 HRS.
- The venue of the training programme is: **National Institute of High Security Animal Diseases** Indian Council of Agricultural Research, Anand Nagar, Bhopal- 462 022 (MP), INDIA.

2. TA/DA to Delegates and other Details:

Accommodation for the delegates will be provided by the host institute on twin sharing basis at hostel. **NO Travel Allowance** will be provided to the delegates. **NO Daily Allowances** will be provided to the delegates. TA/DA has to be borne by the delegates itself or their host institute.

3. Eligibility

Researcher working in Public or private Educational institute in the area of biological, biosimilars, vaccines, pathogenic detection services and kits and such similar fields, which require higher Biosafety Level facilities, will be eligible. Also, academicians/researchers working towards pilot scale development of their product in any incubator of the state will be eligible for the training. Start-ups of the state according to the Biotech Policy 2016-21 of Gujarat are also eligible for the training.

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4. Tentative Programme Structure

Day 1

Time	Activity	Theory/ Practical
10.00-10.30	Registration	
10:30-11:30	Inauguration of the Training Programme	
11.30-11:30	Tea/Coffee Break	
11:30-12.00	Pre-training assessment (filling the questionnaire)	
12.00-13.00	Overview of ICAR-NIHSAD, a containment laboratory for handling of exotic diseases	T
13.00-14.00	Lunch	
14.00-15.00	Laboratory Biosafety and Biosecurity: An Overview	T
15.00-15.15	Tea/Coffee Break	
15.15-17.00	Visit to the outside Biosafety Engineering Facilities. Demonstration of the bioengineering requirements for a biosafety laboratory and testing and validation of air handling system.	P

Day 2

Time	Activity	Theory/ Practical
10.00-11:00	Biological hazards and lab-associated infections: Risk Assessment of infectious organisms and their biosafety requirements.	T
11.00-11.15	Tea/Coffee Break	
11.15-12.15	Biosafety laboratories: Facility design and validation; Levels of Biosafety Laboratories and their relationship with facilities and practices.	T
12.15-13.30	Biosafety Cabinets: Principles, Types of biosafety cabinets, their use	T
13.30-14.00	Lunch	
14:00-14.30	Bio-containment laboratory entry and orientation	P
14.30-17.00	Visit inside the Containment Laboratory. Material decontamination and material transport methods from the containment laboratory Testing and validation of Biosafety Cabinets and laminar Airflows	P

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Day 3

Time	Activity	Theory/ Practical
10:00-11:15	Pathogen Inventory Management: Sample receiving, processing, storage and transport	T
11:15-11:30	Tea/Coffee Break	
11.30-12.30	Operation and safe handling of laboratory equipment, prevention of aerosol release, decontamination of equipment before and after use.	T
12.30-13.30	Standard microbial practices in a biosafety laboratory	T
13:30–14:00	Lunch break	T
14.00-15.00	Personal protective equipment: Fundamentals, importance, types of personal protective equipment	T
15.00-17.00	Use of Personal Protective equipment, including PAPR for handling dangerous infectious pathogens	P

Day 4

Time	Activity	Theory/ Practical
10:00-11:00	Laboratory Biosecurity: Culture of responsibility in the biosafety laboratories	T
11.00-11.15	Tea/Coffee Break	T
11:15-12:30	Biomedical waste management: Regulations in India, Decontamination and disposal of Biomedical waste	T
12.30-13.30	BSL-2 laboratory Design: Basic considerations	T
13:00-13:30	Lunch break	
14:00-17:00	Visit inside the Containment Laboratory. Designing individual Biosafety Laboratories: An Exercise	P

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Day 05

Time	Activity	Theory/ Practical
10:00-11:00	Emergency response plan in containment laboratories	T
11:00 -11:15	Tea/Coffee Break	
11.15 - 12.15	Animal Biosafety	T
12:15-13:15	Biosafety Regulations in India for handling infectious and genetically modified organisms	T
13:00-14:00	Lunch break	
14:00-15:00	Designing Biosafety Laboratory; Exercise Review	P
15:00-17:00	Feedback from participants Post-training assessment, Valedictory	

5. Application Fees:

Application fees in the form of Demand Draft of **INR 500/- (Rs. Five Hundred only)** should be submitted for the training programme. If a delegate cancels his/her name before 7 days of the training then full return will be provided else the same will be seized by the GSBTM office. No refund claim will be entertained before completion of the training period.

Please note that Demand Draft should be submitted to GSBTM office within 7 days from the date intimation by this office about your selection for the training, else automatically your candidature for the training will get cancelled.

The Demand Draft should be in favour of **"Gujarat State Biotechnology Mission"** of any nationalised bank and should be **payable at Gandhinagar**. The same should be sent to below mentioned address:

Gujarat State Biotechnology Mission
Block 11, 9th floor,
GH Rd, Sector 11,
Gandhinagar, Gujarat 382011

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6. Application form:

For Application

[Click Here](#)

LAST DATE OF APPLICATION: **30/JUNE/2019**

For further queries, you can email at BiosafetyCell@gmail.com or else contact at 079-23252197 (Ext. 67)

(Preference will be given to researchers and academicians serving in government organizations. However, it is not the binding factor for selection.)

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