



## **Animal Biotechnology Winter Training Program**

This winter program is ideal for students and professionals aiming to strengthen hands-on skills in animal biotechnology, covering diagnostic PCR, embryo handling, and livestock genotyping under guided supervision.

**Note: Below modules are designed keeping high end industrial professionals into consideration. Please refer individual protocols below for affordable prices.**

### **Diagnostic and Molecular Approaches**

**Kindly review the fees outlined for the individual protocols listed in this module.**

- RNA extraction and RT-PCR for viral diagnostics
- DNA-based animal identification and pedigree analysis
- Cold-chain sample processing and field swab collection
- Result documentation and gel photography techniques

### **Assisted Reproductive Technologies (ART)**

**Kindly review the fees outlined for the individual protocols listed in this module.**

- Maturation and grading of oocytes under stereo microscope
- Semen handling, quality checks, and cryopreservation demo
- In vitro fertilization protocols (simulated handling)
- Embryo quality scoring and cataloging procedures

### **Veterinary Genomics and Trait Testing**

**Kindly review the fees outlined for the individual protocols listed in this module.**

- Screening for genetic diseases (BLAD, CVM, etc.) in cattle
- Genotyping reports for breeding selection programs
- Ethics and welfare standards in genomic interventions

- Case studies on trait selection in Indian livestock breeds

## **Individual Protocols Under Animal Biotechnology Winter Training Program**

1. PCR for detection of livestock pathogens (e.g. Brucella, FMD) | **Fee: Contact for fee**
2. RNA extraction and RT-PCR for viral diagnostics | **Fee: Contact for fee**
3. DNA-based animal identification and pedigree analysis | **Fee: Contact for fee**
4. Cold-chain sample processing and field swab collection | **Fee: Contact for fee**
5. Result documentation and gel photography techniques | **Fee: Contact for fee**
6. Ovary and follicle dissection from slaughterhouse specimens | **Fee: Contact for fee**
7. Maturation and grading of oocytes under stereo microscope | **Fee: Contact for fee**
8. Semen handling, quality checks, and cryopreservation demo | **Fee: Contact for fee**
9. In vitro fertilization protocols (simulated handling) | **Fee: Contact for fee**
10. Embryo quality scoring and cataloging procedures | **Fee: Contact for fee**
11. Livestock SNP detection using PCR-RFLP or allele-specific PCR | **Fee: Contact for fee**
12. Screening for genetic diseases (BLAD, CVM, etc.) in cattle | **Fee: Contact for fee**
13. Genotyping reports for breeding selection programs | **Fee: Contact for fee**
14. Ethics and welfare standards in genomic interventions | **Fee: Contact for fee**
15. Case studies on trait selection in Indian livestock breeds | **Fee: Contact for fee**

**Please contact on +91-8977624748 for more details**

Cant Come to Hyderabad? No Problem, You can do it in Virtual / Online Mode