

Animal Biotechnology Advanced Training Program

This program is ideal for researchers and professionals seeking advanced hands-on training in animal cell engineering, CRISPR-based editing, IVF, embryo bioreactors, and livestock genomics.

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

Advanced Animal Cell Engineering and CRISPR Tools

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

- Reporter gene assays in animal cells
- CRISPR-Cas9 delivery methods in animal systems
- gRNA design and off-target prediction tools
- Knockout and knock-in screening by PCR and sequencing

Transgenic and Cloning Technologies

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

- Somatic cell nuclear transfer (SCNT) protocol optimization
- Embryo culture, splitting, and in vitro embryo maturation
- Establishing transgenic mouse or livestock lines
- Transgene detection by Southern blot and qPCR

Advanced Reproductive Biotech and Genomics

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

- Ultrasound-guided embryo transfer procedures
- Genome-wide SNP genotyping for livestock traits
- Transcriptomics for gene expression in tissues

- Epigenetic analysis in transgenic animal models

Individual Protocols Under Animal Biotechnology Advanced Training Program

1. Stable transfection and selection marker strategies | **Fee: Contact for fee**
2. Reporter gene assays in animal cells | **Fee: Contact for fee**
3. CRISPR-Cas9 delivery methods in animal systems | **Fee: Contact for fee**
4. gRNA design and off-target prediction tools | **Fee: Contact for fee**
5. Knockout and knock-in screening by PCR and sequencing | **Fee: Contact for fee**
6. Microinjection into pronuclei and zygotes | **Fee: Contact for fee**
7. Somatic cell nuclear transfer (SCNT) protocol optimization | **Fee: Contact for fee**
8. Embryo culture, splitting, and in vitro embryo maturation | **Fee: Contact for fee**
9. Establishing transgenic mouse or livestock lines | **Fee: Contact for fee**
10. Transgene detection by Southern blot and qPCR | **Fee: Contact for fee**
11. Artificial insemination with cryopreserved sperm | **Fee: Contact for fee**
12. Ultrasound-guided embryo transfer procedures | **Fee: Contact for fee**
13. Genome-wide SNP genotyping for livestock traits | **Fee: Contact for fee**
14. Transcriptomics for gene expression in tissues | **Fee: Contact for fee**
15. Epigenetic analysis in transgenic animal models | **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