

Application form for Short term IVF training programmes

1. Full Name :
2. Degree :
3. Discipline :
4. Name of the Institute / College / University :
5. Academic Performance (OGPA/ Percentage) :
6. Communication Address :
7. Email ID :
8. Mobile No :
9. Level of Training : Module - I / II / III
10. *Preferred dates of training :

Signature of the candidate

Forwarded by HOD

(Bonafide certificate from the institute to be enclosed)

**Interested candidates are requested to apply, mentioning their preferred dates of training. The training dates would be scheduled fitting the individual's requirement and adequacy of the number of participants enrolled for a particular time-period*

The payment for the training programme should be made after selection letters are given to the candidates. The payment may be done through DD in favour of "The Professor and Head, Dept of Animal Biotechnology, MVC" payable at Chennai or NEFT as per the bank details provided below:

The Professor and Head

Dept. of Animal Biotechnology

S.B.A/c. No.: 570502010003697 / IFSC code: UBIN0557056

Bank Name: Union Bank of India / Branch Name: MVC Vepery

For further details, please contact

The Professor and Head
Department of Animal Biotechnology
Madras Veterinary College, Chennai - 600 007
Phone: 044-25369301
E mail: hodabtmvc@tanuvas.org.in

Kind Attention

**Dr. K. Brindha - 9840971881
narayananbrindha@gmail.com**



**TAMIL NADU VETERINARY AND
ANIMAL SCIENCES UNIVERSITY**



**SHORT-TERM
IVF TRAINING
PROGRAMMES**

Information Brochure

**Department of Animal Biotechnology
Faculty of Basic Sciences
Madras Veterinary College, Chennai - 600 007**

ABOUT THE DEPARTMENT

The Department of Animal Biotechnology was started through the pioneering efforts of visionary faculty in the year 1989, the same year when TANUVAS was also established. Ten years into its existence in 1999, the Indian Council of Agricultural Research (ICAR) recognized this Department as a "Centre of Excellence in Veterinary Biotechnology and Immunology". The Department was also awarded with Niche Area Scheme of Excellence in Avian Biotechnology in 2012 to conduct research on "Improved and expanded vaccines and Immunological understanding of avian viruses" by ICAR. The Rabies Diagnostic Laboratory of this Department is accredited with ISO/ IEC 17025:2017 (NABL) in the field of biological testing for rabies diagnosis. Since 2021, the Department is supported by FIST programme under Department of Science and Technology to improve the infrastructure facility for PG education. The Department of Animal Biotechnology is housed in two blocks of three floors each with 'state of art' facilities to carry out research in various facets of biotechnology. The Central Embryo Biotechnology Unit is located at the university campus in Madhavaram Milk Colony.

IVF TRAINING PROGRAMME

The Department of Animal Biotechnology offers Short term IVF training programme pertaining to Reproductive Biotechnology at the Centralized Embryo Biotechnology Unit, Madhavaram Milk Colony Campus to cater to the needs of the students pursuing M.B.B.S. / B.V.Sc. & A.H. / B. Pharm. / B.Tech. / B.Sc. or any equivalent degree in life sciences. Three modules of the training programme are available of varying duration so that students can choose according to their interest and research needs.

Module	Duration	Proposed fee (Rs.)	Contents of the Proposed Modules
Module I : <i>In vitro</i> embryo production – Handling of female gamete	5 days	5,000/- (+ GST @ 18%)	1. Introduction to female reproductive anatomy and oogenesis 2. Aseptic techniques and laboratory equipments for IVF 3. Media preparation 4. Oocyte retrieval from slaughter house specimens 5. Oocyte culture and Grading
Module II : <i>In vitro</i> embryo production – Handling of male gamete	5 days	5,000/- (+ GST @ 18%)	1. Introduction to male reproductive anatomy and spermatogenesis 2. Aseptic techniques and laboratory equipments for IVF 3. Media preparation 4. Sperm retrieval from frozen semen straws 5. Preparation of sperms and IVF
Module III : <i>In vitro</i> embryo production – Handling of female and male gametes <u>(combined)</u>	10 days	9,000/- (+ GST @ 18%)	1. Introduction to female reproductive anatomy and oogenesis 2. Aseptic techniques and laboratory equipments for IVF 3. Media preparation for oocyte culture 4. Oocyte retrieval from slaughter house specimens 5. Oocyte culture and Grading 6. Introduction to male reproductive anatomy and spermatogenesis 7. Media for sperm preparation 8. Sperm retrieval from frozen semen straws 9. Preparation of sperms for culture 10. Determination of sperm count, sperm viability followed by IVF