

National level training programme on  
**IN VITRO FERTILIZATION OF FARM ANIMAL OOCYTES AND CO-CULTURE**

**APPLICATION FORM**

1. Name :
2. Educational Qualification :
3. Designation :
4. Address :
5. Telephone No/Mobile No :
6. Email ID for correspondence :
7. \*Preferred dates of training :
8. Whether accommodation is required :  
(on cost-basis only)
9. Experience :
10. How the training programme will be helpful:

**Applicant's Signature**

The candidate is sponsored by the institute/ organization for attending the programme.

Date: **Signature of the Head of Institute / Organization**

Place: **with seal**

*\*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*

**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

**Contact person for training**

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



**TAMIL NADU VETERINARY AND  
ANIMAL SCIENCES UNIVERSITY**



National level training programme on  
**IN VITRO FERTILIZATION OF  
FARM ANIMAL OOCYTES AND CO-CULTURE**



**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, Faculty of Basic Sciences, Madras Veterinary College, Chennai – 7 offers a 21-day **National level training programme on "In vitro fertilization of farm animal oocytes and co-culture"**. Since 2000, this training is being offered every year on a regular basis and the silver jubilee training programme was conducted during 24<sup>th</sup> November to 14<sup>th</sup> December 2021.

Interested candidates are requested to fill-up the attached application format and submit it by email / post / in person to the Professor and Head, Department of Animal Biotechnology, Madras Veterinary College, Chennai – 600 007. Sponsored candidates are requested to get the consent of the Head of the organization / institute in the appropriate column provided in the application format. Selection will be made on first-come first-serve basis and selection of candidates will be intimated through email.

## ELIGIBILITY

Person holding a basic degree of M.B.B.S., or other alternative medicine / B.V.Sc. & A.H., / B. Pharm., / B.Tech., / B.Sc., or any equivalent degree in life sciences.

## NO. OF PARTICIPANTS

Minimum of 2 and maximum of 10 candidates at one time

## COURSE DURATION

A total of 21 days (customizable as per the needs of the beneficiary)

## COURSE FEE

Rs.64,900/- per candidate (Rs.55,000/- plus 18% GST of Rs.9,900/-)

## VENUE

Centralised Embryo Biotechnology Unit, TANUVAS, Madhavaram Milk Colony, Chennai - 51 (next to Veterinary University Peripheral Hospital)

## TOPICS COVERED

Intensive, individual hands-on training would be provided on the following topics:

- Collection, screening and grading of ovine/caprine oocytes
- *In vitro* maturation of oocytes
- Assessment of maturation
- Collection and analysis of ram / buck epididymal sperms
- Separation of motile spermatozoa
- Semen evaluation
- *In vitro* fertilization of mature oocytes
- Oviductal cell co-culture
- Embryo culture
- Assessment of cleavage and grading of embryos
- Demonstration of cryopreservation of embryos

Invited lectures from subject matter experts and site-visits also form part of the training.

## PAYMENT

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**