

CHIEF PATRON

Dr.P.Manisankar

Hon'ble Vice-Chancellor

Bharathidasan University, Tiruchirappalli-620024

PATRON

Dr.G.Gopinath

Registrar,

Bharathidasan University, Tiruchirappalli-620024

CONVENOR

Dr.K.Emmanuel Rajan

Professor & Head

Department of Animal Science

Bharathidasan University

MEMBERS

Dr. R. Thirumurugan, Professor, Department of Animal Science
Bharathidasan University, Tiruchirappalli-620024

Dr. K.Mahesh, UGC-Assistant Professor, Department of Animal
Science, Bharathidasan University, Tiruchirappalli-620024

Dr. S.Achiraman, Assistant Professor, Department of
Environmental Biotechnology, Bharathidasan University,
Tiruchirappalli-620024

ORGANIZING SECRETARY

Dr. B. KADALMANI

Assistant Professor

Reproductive Endocrinology & Cancer Biology Lab

Department of Animal Science

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National Level Workshop on Animal Cell Culture and Molecular Techniques in Animal Biotechnology - ACMT – 2018

October 24 - 30, 2018

REGISTRATION FORM

Name: _____

Designation: _____

Dept. /Institution: _____

Address: _____

Tel. No.: _____

E-mail: _____

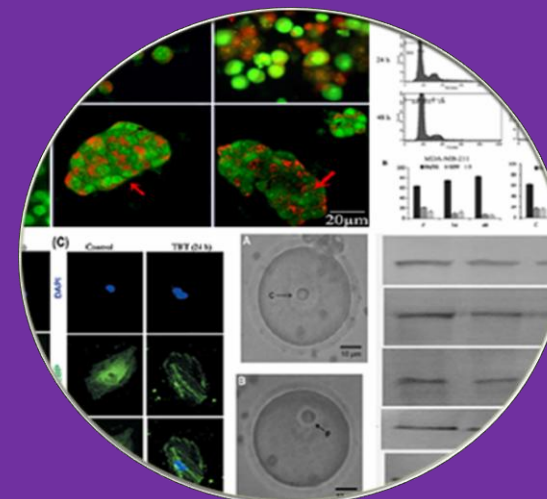
Registration Fee: Rs. 6,000/-

- Complete the following details and send to the **Organizing Secretary-ACMT-2018** by post or
Email: cellmolworkshop@gmail.com
- Accommodation will be arranged on request
- Working lunch will be provided

Signature of the Applicant

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October 24 - 30, 2018



**DEPARTMENT OF ANIMAL SCIENCE
BHARATHIDASAN UNIVERSITY
TIRUCHIRAPALLI - 620 024
TAMILNADU**

ABOUT THE UNIVERSITY

Bharathidasan University, domiciled in Tiruchirappalli, "The Land of Carnatic Wars" and "The Educational Hub" of the state of Tamil Nadu, stands with the mission of nurturing education seasoned with valour. Having set several milestones, today the institution has crossed epitomes and has swept a long way in its journey begun in 1982. Built with the virtues of the eternal and esteemed poet Bharathidasan, the university is working towards "Creating A Brave New World" and is endowed with 34 departments within the campus having versatile potentials. Apart from the 8 constituent, 19 autonomous, and 15 affiliated institutions, the university has 11 research centres and about 69 self-financing colleges in its canopy catering its needs.

ABOUT THE DEPARTMENT

Mooring the mission of the university, The department of Animal Science has been serving and contributing with a sense of alacrity and zeal since 1993 and is now a frontier in the areas such as Andrology, Reproductive Technology, Cancer Biology, Aquaculture, Mycopathology, Stress Physiology, Behavioural Neuroscience and Pheromone Technology. The UGC-SAP and DST-FIST sponsored department has been bolstered with funds from UGC, DST, ICMR, CSIR, DoD, ICAR, DBT, etc as a result of the contributions to extensive research in the above mentioned fields. The cell culture laboratory has been equally assiduous in contributing to research. Established for over nine years, the laboratory satisfies needs to carry out experiments involving animal cell lines (commercial and primary) and has provision to incubate, maintain and preserve cells. This facilitates conducting in vitro studies and investigations in versatile fields of cellular biology.

SCOPE AND AIMS OF THE WORKSHOP

Cell Culture Technology has provided an interesting perspective on its multi-applications in life science research. Molecular techniques have also become routine in several diagnostic tests and in majority of research publications too. Basics in genomics and proteomics are necessary for the upcoming generations to fight back against various novel diseases. This workshop is designed to enlighten their knowledge on techniques involved in cell culture based molecular biology and introduces the importance of life science research solely beneficial to the society. After attending the workshop, participants are expected to acquire the basic skills and knowledge of molecular techniques involved in cell culture and to be aware of the importance of safety and precautions needed when working in a research laboratory.

COURSE CONTENT

- + Requirements of a Cell Culture Laboratory
- + Procedures for Establishing Primary Cell Culture
- + Media preparation, Maintenance of Cell lines
- + Isolation and characterization of Mouse Oocytes
- + Primary Culture of Endometrial stromal cells
- + Quantitative Assays for Cell Viability
- + Fluorescent Microscopy in Cell Culture
- + Fowcytometry analysis
- + Nucleic acid Extraction Procedures
- + Conventional PCR & Electrophoresis
- + Real time PCR & Gene Expression Analysis
- + Protein Isolation, Purification and Estimation
- + Native and Denaturing 1-D Electrophoresis
- + Western blot Analysis

DATE AND VENUE

Date : 24.10.2018 to 30.10.2018

Venue : Seminar Hall, Department of Animal Science
Bharathidasan University,
Tiruchirappalli - 620 024, Tamil Nadu.

ELIGIBLE PARTICIPANTS

The Workshop is intended for Faculties, Research Scholars and Post Graduate students of Life Sciences who would like to gain knowledge on Cell culture and Molecular practices. The participants will be selected on the **First come first serve basis with a maximum of 16 participants.**

INVITED SPEAKERS

The invited speakers will be eminent scientists, Academicians and Technicians in the field of Animal Biotechnology, Tissue Engineering, Cell culture technology from the National institutes and Universities.

REGISTRATION

Participants are requested to send registration form along with recommendation letter from the Head of the Department. The selected participants will be intimated to pay Rs. 6,000/- in favour of **Organizing Secretary-ACMT -2018**, payable at Bharathidasan University, Tiruchirappalli - 2 620 024

Last date for Submission: 14.09.2018

