



# Lady Doak College, Madurai

(An Autonomous Institution Affiliated to Madurai Kamaraj University)  
Re-accredited with 'A+' Grade by NAAC (4<sup>th</sup> Cycle)



## DEPARTMENT OF BIOTECHNOLOGY

### CORDIALLY INVITES YOU ALL FOR THE

## WORKSHOP ON

# “ANIMAL CELL CULTURE TECHNIQUES”



29<sup>th</sup> - 31<sup>st</sup> January, 2026  
09.00 AM - 5.00 PM

Venue  
BCMMT

# PROGRAMME SCHEDULE

**DAY 1 : 29.01.2026**

|                         |   |
|-------------------------|---|
| 9.00 am – 9.30 am       | Registration  |
| 9.30 am – 10.00 am      | Inauguration  |
| Prayer                  | : <b>Dr. S. Nancy Catherine</b><br>Assistant Professor<br>Department of Biotechnology<br>Lady Doak College  |
| Welcome Address         | : <b>Dr. R. Christynal Oliviya</b><br>Assistant Professor<br>Department of Biotechnology<br>Lady Doak College<br><b>Lighting the Lamp</b>   |
| Introductory<br>Remarks | : <b>Dr. A. Lourdhu Mary</b><br>Coordinator<br>Department of Biotechnology<br>Lady Doak College   |
| Vote of Thanks          | : <b>Dr. J. Ananthi</b><br>Associate Professor<br>Department of Biotechnology<br>Lady Doak College  |
| 10.00 am - 11.00 am     | : <b>Session I : Role of Cell Culture in Regenerative<br/>Medicine</b><br><b>Dr. Gowri Priya Chidambaranathan</b><br>Scientist<br>Department of Immunology and Stem Cell Biology<br>Aravind Medical Research Foundation<br>Aravind Eye Hospital, Madurai. |
| 11.00 am - 11.30 am     | : Tea Break   |
| 11.30 am - 1.00 pm      | : General instructions to Lab Module I  |
| 1.00 pm - 2.00 pm       | : Lunch Break   |
| 2.00 pm - 5.00 pm       | : Lab Module I<br>- Sterilization and Media preparation<br>- Culturing of Suspension cells<br>- Cell counting using trypan blue   |

## DAY 2 : 30.01.2026

- 9.00 am - 10.00 am : **Session II : Rational use of animal culture techniques for drug discovery**  
**Dr. Sharada Mokkalapati**  
Assistant Professor of Urology  
MD Anderson Cancer Center, Texas, USA
- 10.00 am - 11.00 am : **Session III: Cell line authentication and cell signalling**  
**Dr. S. Sivasankar**  
Team Lead-NGS Lab & Molecular Biologist  
Anderson Clinical Genetics, Chennai
- 11.00 am – 11.30 am : Tea Break
- 11.30 am - 1.00 pm : Lab Module II  
- Culturing of Adherent cell lines
- 1.00 pm - 2.00 pm : Lunch Break
- 2.00 pm - 3.30 pm : Lab Module II  
- Passaging  
- Revival and Storage of cell lines
- 3.30 pm - 5.00 pm : Pre Laboratory Preparation for Lab Module III

## DAY 3 : 31.01.2026

- 9.00 am – 11.00 am : Lab Module III  
- Cytotoxicity assay (MTT)  
- Wound Healing assay
- 11.00 am - 11.30 am : Tea Break
- 11.30 am - 12.30 pm : **Session IV: *In vitro* cell culture models: progress from 2D to Organoids**  
**Dr. Anwar Azad**, Ramalingaswami Fellow  
Immunology & Stem Cell Biology  
Aravind Medical Research Foundation, Madurai
- 12.30 pm - 1.00 pm : Vote of Thanks  
**Dr. R. Christynal Oliviya**  
Assistant Professor  
Department of Biotechnology  
Lady Doak College

# **ORGANISING COMMITTEE**

## **Patron**

Dr. R. Beulah Jeyashree  
Principal & Secretary  
Lady Doak College, Madurai

## **Chairperson**

Dr. A. Lourdhu Mary  
Coordinator  
Department of Biotechnology  
Lady Doak College, Madurai

## **Organising Secretaries**

Dr. J. Ananthi, Associate Professor  
Dr. R.Christynal Oliviya, Assistant Professor

## **Organising Committee Members**

Dr. S. Kalaivani Priyadarshini, Associate Professor  
Dr. P. Abirami, Assistant Professor  
Dr. S. Lakshmi Subha , Assistant Professor  
Dr. P. Suguna, Assistant Professor  
Dr. S. Nancy Catherine, Assistant Professor  
Mrs. A.S Merlyn Diana, Assistant Professor  
Dr. S. Anitta, Assistant Professor  
Dr. P. Saranya, Assistant Professor  
Ms. L. Lavanya, Assistant Professor