

## DEPARTMENT OF LIFE SCIENCES

*Organises a national workshop on*

# Advanced Animal Cell Culture: From Aseptic Techniques to Imaging

*5-Day Workshop on Animal Cell Culture*

*This 5-day workshop combines conceptual understanding with hands-on laboratory exposure in essential and advanced animal cell culture techniques, including cytotoxicity studies, flow cytometry and confocal imaging.*

*Date: 08-12 June, 2026 | Time: 9.30 AM to 4.30 PM | Venue: 2nd Floor, R & D Block*

### Who should attend

*PG students, research scholars, faculty, and industry professionals interested in animal cell culture and cell-based analytical techniques.*

### Registration



*Interested candidates can [Register Here](#) or scan the QR code*

- Selection will be on a first-come, first-served basis.*
- The payment link will be sent to the selected candidates.*

### Workshop Fees

- MSc Students and Research Scholars: ₹5000*
- Post-doctoral fellows and faculty: ₹7500*
- Industrial professionals: ₹8500*

*\*18% GST Applicable*

### For more details

*Dr. Manu M Joseph*  
*manu.joseph@christuniversity.in*  
*Ph: +91 7736041983*

*Dr. Arun K B*  
*arun.kb@christuniversity.in*  
*Ph: +91 9995628425*

*hod.lifesciences@christuniversity.in*  
*Dept. of Life Sciences, CHRIST (Deemed to be University),*  
*Dharmaram College Post, Hosur Road, Bengaluru - 560029, Karnataka, India*

# *Advanced Animal Cell Culture: From Aseptic Techniques to Imaging*

**Day -1**

*Fundamentals:*

*Introduction to animal cell culture, laboratory setup, aseptic practices, sterility principles and preparation of culture media.*

**Day -2**

*Cell Handling:*

*Hands-on exposure to cell thawing, subculturing, cell counting and routine practices required for maintaining healthy cell lines.*

**Day -3**

*Cytotoxicity Studies:*

*Understanding cell viability assessment using assays such as MTT and learning how to interpret basic experimental outcomes.*

**Day -4**

*Flow Cytometry:*

*Introduction to flow cytometry principles, sample preparation, workflow basics and interpretation of analytical outputs.*

**Day -5**

*Confocal Microscopy:*

*Overview of staining approaches, imaging workflow, and high-resolution visualization using confocal microscopy.*

*By the end of the workshop, participants will have improved technical skills and a deeper understanding of modern cell-based assays*

## *Other Guidelines*

- Participants are eligible for a Certificate after completion of the workshop*
- Workshop fees do not include accommodation.*



*Bringing life to research through cell culture*