



# Third Mammalian Cell Culture Workshop 2024

## Department of biochemistry

### All India Institute of Medical Sciences Jodhpur



Save the Date: 11-16 March 2024

### *Workshop Overview:*

The Department of Biochemistry, AIIMS Jodhpur is hosting the third annual "Mammalian Cell Culture Workshop: 2024," providing hands-on training for *in vitro* validation of scientific research. The workshop encompasses a broad spectrum of techniques, ranging from fundamental cell culture to advanced procedures like protein and nucleic acid extraction, RT-PCR, western blot, and flow cytometry. Participants will partake in modules concentrating on vital cell culture techniques, including maintenance, passaging, counting, cryopreservation, and revival. Academic institutions across the nation are invited to apply for this valuable and practical training opportunity.

### *Target Participants:*

The workshop targets early-career researchers, encompassing MD, M.Sc., M. Tech, M. Pharma, doctoral and post-doctoral students, and faculty involved in basic breast cancer cell line research.

***Lock the dates :* 11 MARCH TO 16 MARCH 2024**

### *Features of workshop:*

The workshop covers basic and advanced cell culture, molecular assays, and downstream techniques, including media preparation, cryopreservation, nucleic acid extraction, cDNA synthesis, RT-PCR, protein extraction, SDS-PAGE electrophoresis, Western blot, MTT assay, and Flow Cytometry for apoptosis and cell cycle analysis.

### *Registration Fee :*

Students/Junior residents: Rs. 9,000 by 20 February, Rs. 10,000 after.

Faculty/Senior Residents: Rs. 15,000.

\*Selected participants must pay the non-refundable registration fee online within 10 days of confirmation, with payment details sent via email to shortlisted participants.

### *Travel, Food, Accommodation:*

Participants will have to make their own travel arrangements. Lodging and boarding will be provided in the institutional guest house on a first-come first-serve and sharing basis and subject to availability.

### *Application Process:*

Document necessary for workshop:

- ❖ Registration form  
<https://docs.google.com/forms/d/1hPCGF6YYCnpTtsQ1mYOhsGdQo6mRcPzb6UmuL4!OncY/edit>
- ❖ Brief Curriculum Vitae (PDF format, size 10MB)
- ❖ A concise description of research background, highlighting the aspect requiring cell and tissue culture techniques, and explaining the workshop's relevance for future research.



- For any further communication and queries e-mail [mammaliancellcultureworkshop@gmail.com](mailto:mammaliancellcultureworkshop@gmail.com)
- Number of participants selected on competitive basis is restricted to maximum of 15.
- Names of short-listed participants will be informed by e-mail.