



# ANIMAL CELL CULTURE WORKSHOP: 2023

Department of Biochemistry  
All India Institute of Medical Sciences Jodhpur



## *Workshop Overview:*

The Department of Biochemistry, AIIMS Jodhpur is back with the second annual hands-on training workshop titled "Animal Cell Culture Workshop: 2023". This hands-on training workshop will include modules for important cell culture techniques related to cell line maintenance, passaging, cell counting, cryopreservation and revival, extraction of nucleic acid and proteins, Real-Time PCR and Western blot, Cell viability assay, Flow Cytometry analysis. Participants from academic institutions from all over the country are encouraged to apply.

## *Target Participants:*

This workshop is primarily intended for early career researchers including, MD, M.SC., M.Tech, other Doctoral and Post doctoral Students and faculty involved in basic research using breast cancer cell lines.

## *Features of workshop:*

The workshop will focus upon the following basic and advanced cell-culture and downstream molecular assays -

- ❖ Basic cell culture techniques, passaging and maintenance of cell lines
- ❖ Media preparation
- ❖ Cryopreservation & Cryorevival
- ❖ Nucleic acid extraction
- ❖ Quantification of Nucleic acid
- ❖ cDNA synthesis from RNA (Reverse Transcription)
- ❖ RT-PCR
- ❖ Total protein extraction
- ❖ SDS-PAGE electrophoresis of extracted proteins
- ❖ Western Blot
- ❖ MTT Assay for cell proliferation/cytotoxicity
- ❖ Flow Cytometry for Apoptosis and cell cycle analysis

## *Registration Fee :*

**Students/ Junior residents:** Rs. 8000/- (30<sup>th</sup> January), 10000 Rs (after 30<sup>th</sup> January)

**Faculty/ Senior Residents:** Rs.14,000

\*The registration fee (non-refundable) will have to be paid online by selected participants within 10 days of confirmation from the Organizing secretariat. The details for payment will be shared to short-listed participants via email.

## *Travel, Food, Accommodation:*

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

## *Application Process:*

Document necessary for workshop:

Registration form: <https://docs.google.com/forms/d/e/1FAIpQLScYh9OhMtfLI4MjJEk3HtydVKZEAXdUrHAXdxbtUCEN0VNLqQ/viewform>

- ❖ Brief Curriculum Vitae (PDF format, size 10MB)
  - ❖ A short write-up on their research background, mentioning the component of his or her research that needs cell and tissue culture technique and how this workshop will be helpful for their future research.
- For any further communication and queries e-mail [animalcellculture2022@gmail.com](mailto:animalcellculture2022@gmail.com)
  - Applications received after the due date and incomplete applications without required documents will not be considered.
  - Number of participants selected on competitive basis is restricted to maximum of 15.
  - Names of short-listed participants will be informed by e-mail.