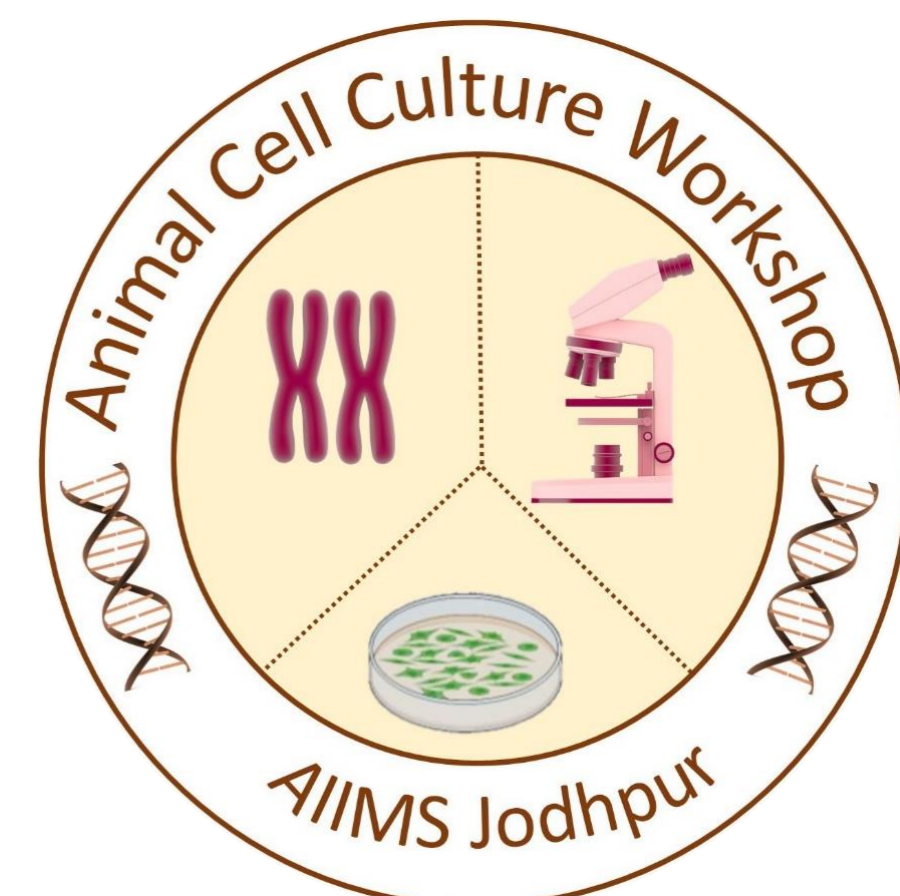




FIRST ANIMAL CELL CULTURE WORKSHOP: 2022



Department of Biochemistry

All India Institute of Medical Sciences Jodhpur

18th April to 23th April 2022

Workshop Overview:

The Department of Biochemistry, AIIMS Jodhpur announces hands-on training workshop titled "Animal Cell Culture Workshop: 2022". 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 Postdoctoral Students and faculty involved in basic research using mammalian cell lines.

Features of workshop:

Six Days Hands-on Workshop on Animal Cell Culture and its downstream molecular techniques:

- ❖ Animal cell culture techniques, passaging and maintenance of cell lines
- ❖ Media preparation
- ❖ Cryopreservation (freezing and thawing of cell lines)
- ❖ Nucleic acid extraction
- ❖ Quantification of Nucleic acid
- ❖ cDNA synthesis from RNA (Reverse Transcription)
- ❖ RT-PCR
- ❖ Agarose gel electrophoresis of PCR product
- ❖ Total protein extraction
- ❖ Protein estimation
- ❖ SDS-PAGE electrophoresis of extracted proteins
- ❖ Western Blot
- ❖ MTT Assay for cell proliferation/cytotoxicity
- ❖ Flow Cytometry for surface markers in animal cell.

Registration Fee :

Students: Rs. 7000/-

Faculties: Rs. 10,000/-

*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/1coSdFk7-aH1UbY9zsV24-BJJlqfZOgGPdl_nsL2Rw8c/edit
- ❖ The Deadline for registration is 31st March, 2022.

- For any further communication and queries, e-mail 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.