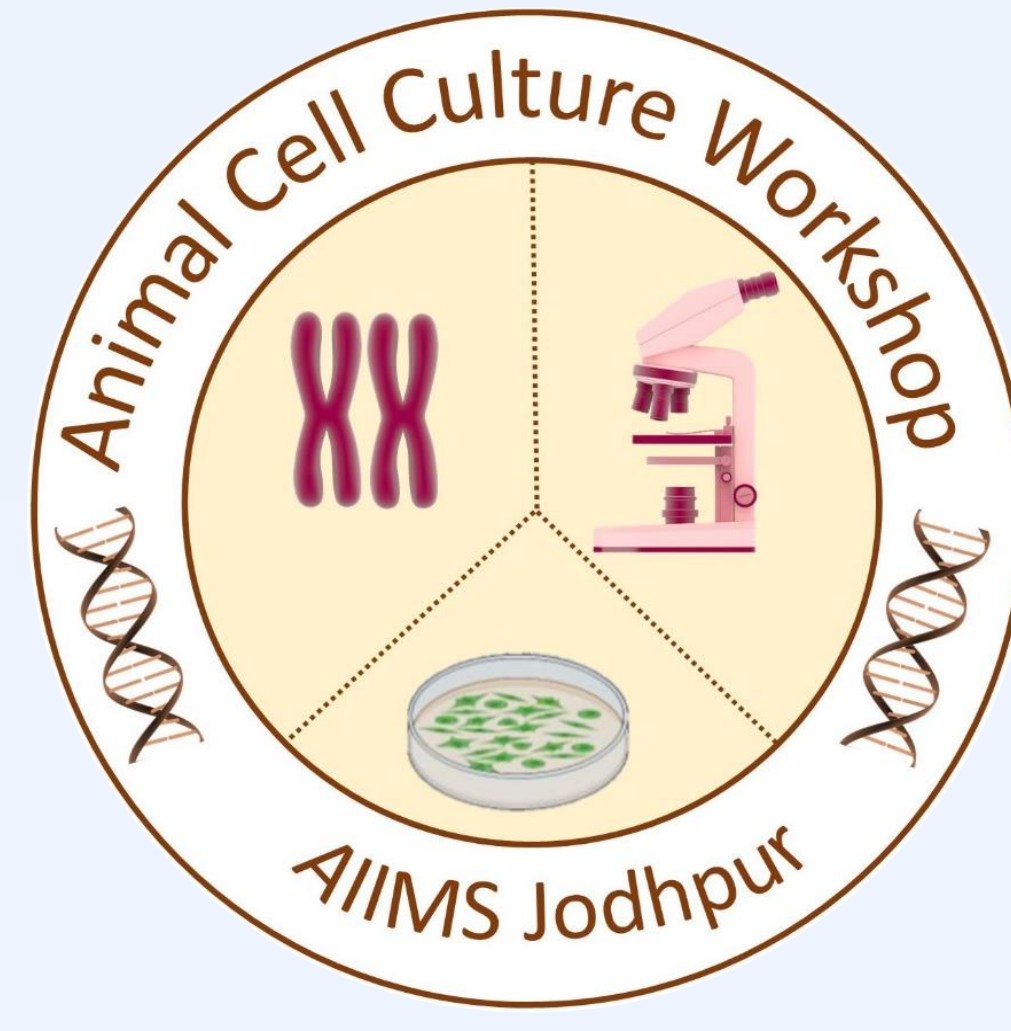


FIRST ANIMAL CELL CULTURE WORKSHOP: 2022



18th April to 23rd April 2022

Organized by :

**Department of Biochemistry
All India Institute of Medical Sciences Jodhpur
Rajasthan, India**



**Chief Patron
Prof. Sanjeev Misra
Director, AIIMS Jodhpur**



**Patron
Prof. Praveen Sharma
AIIMS Jodhpur**



**Organising Chairperson
Dr. Mithu Banerjee
AIIMS Jodhpur**



**Organising Secretary
Dr. Purvi Purohit
AIIMS Jodhpur**

Executive Committee

- Dr Shailja Sharma (Assoc. Prof, Dept of Biochemistry, AIIMS Jodhpur)
- Dr Dharamveer Yadav (Assoc. Prof, Dept of Biochemistry, AIIMS Jodhpur)
- Dr Shrimanjunath Sankanagoudar (Assoc. Prof, Dept of Biochemistry, AIIMS Jodhpur)
- Dr Kamlakant Shukla (Assoc. Prof, Dept of Biochemistry, AIIMS Jodhpur)
- Dr Maithili Karpaga Selvi (Assist. Prof, Dept of Biochemistry, AIIMS Jodhpur)

Speakers

- Dr Priyanka Singh (IIT Jodhpur)
- Dr Mithu Banerjee (AIIMS Jodhpur)
- Dr Purvi Purohit (AIIMS Jodhpur)
- Dr Shailendra Dwivedi (AIIMS Gorakhpur)
- Mr. Vijay Gupta (Thermofisher)
- Dr Prashant Sharma (Biorad)
- Mr Anjan Ghosh (BD)

Supporting Team

- Anupama Modi (SRF, DBT, Dept of Biochemistry)
- Manoj Khokhar (SRF, UGC, Dept of Biochemistry)
- Ashita Gadwal (SRF, CSIR, Dept of Biochemistry)
- Jyoti Shekhawat (SRF, UGC, Dept of Biochemistry)
- Shweta Ukey (SRF, CSIR, Dept of Biochemistry, AIIMS Jodhpur)
- PVSN Kiran Kumar (Senior Resident, Dept of Biochemistry)
- Dipayan Roy (Senior Resident, Dept of Biochemistry)
- Karthick D (Senior Resident, Dept of Biochemistry)
- Karli Sreenivasulu (Senior Resident, Dept of Biochemistry)
- Mohini Rathore (Senior Resident, Dept of Biochemistry)
- Pradeep Kumar (Senior Resident, Dept of Biochemistry)

Workshop Overview:

The Department of Biochemistry at AIIMS, Jodhpur announces hands-on training workshop entitled “Animal Cell Culture Workshop: 2022”. The 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, Western blot, cell-cycle analysis, and Flow cytometry analysis. Participants from academic institutions from all over the country are encouraged to apply.

Eligibility:

This workshop is primarily intended for early career researchers including doctoral, MD and M.Sc. Students and Faculty involved in cell culture research using mammalian cell lines from academic institutions.

Registration Fee :

PG/PhD Students: Rs. 7000/-

Faculty/Residents: Rs. 10,000/-

*The registration fee (non-refundable) will have to be paid online by selected participants within 10 days.

Travel, Food, Accommodation:

Participants will have to make their own arrangement for travel and food.

Participants will be responsible for their own transport.

Accommodation in the institutional guest-house would be provided on a sharing basis subject to availability.

Working lunch will be provided during the workshop.

Application Process:

All participants are requested to submit the following:

❖ Registration form:

https://docs.google.com/forms/d/1coSdFk7-aH1UbY9zsV24-BJlqfZOgGPdl_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.

Day/Time	Topic	Lecture/Hands on	Lecture By
Day-1			
9:30-10:30 AM	Inauguration		
10:30-11:30 AM	Introduction to Cell Culture	Lecture	Dr Purvi Purohit Mr. Vijay Gupta
11:30-12:30 PM	Tea Break		
12:30-1:30 PM	Cell culture Lab	Lecture	Mr. Vijay Gupta
1:30-2:30 PM	Lunch Break		
2:30-3:30 PM	Cryopreservation	Lecture	Dr Purvi Purohit
3:30-5:30 PM	Lab visit/ Visualization of cell line		Ms Anupama, Ms Ashita
Day-2			
9:30-10:30 AM	Protocols for Sub culturing and Revival of cells	Lecture	Dr Purvi Purohit
10:30-11:00 AM	Tea Break		
11:00-12:00 AM	Cell counting	Lecture	Mr Vijay Gupta
12:00-1:30 PM	Microscopy	Lecture	Dr Priyanka Singh
1:30-2:30 PM	Lunch Break		
2:20-5:30 PM	Visualisation of cells; Sub culturing and Freezing of cell lines	Hands-On	Ms Anupama, Ms Ashita, Ms Jyoti
Day-3			
9:30-10:30 AM	Extraction of Nucleic Acid and Proteins	Lecture	Dr Purvi Purohit
10:30-11:00 AM	Tea Break		
11:00-12:00 AM	Quantification	Lecture	
12:00-1:00 PM	Nucleic Acid Isolation	Hands-On	Manoj Khokhar, Dr Karthik, Dr Jyoti
1:00-2:00 PM	Lunch Break		
2:00-6:00 PM	Protein Isolation	Hands-On	Manoj Khokhar, Dr Karli, Dr Srividhya
Day-4			
9:30-10:30 AM	Visualization of RNA/Protein (Gel Electrophoresis)	Lecture	Dr Prashant Sharma
10:00-11:00 AM	Tea Break		
11:00-12:00 AM	RT-PCR	Lecture	Dr Mithu Banerjee
12:00- 1:30 PM	RT-PCR	Hands-On	Dr Dipayan, Dr Kiran Kumar
1:30-2:30 PM	Lunch Break		
2:30-6:00 PM	RT-PCR	Hands-On	Dr Dipayan, Dr Kiran Kumar, Ms Shweta Ukey
Day-5			
9:30-10:30 AM	Western Blot	Lecture	Dr Prashant Sharma
10:30-11:00 AM	Tea Break		
11:00-1:30 PM	Western Blot	Hands-On	Ms Ashita, Dr Dipayan, Dr Mehak
1:30-2:30 PM	Lunch Break		
2:30-3:30 PM	Cancer Stem cells: Applications	Lecture	Dr Shailendra Dwivedi
2:30-6:00 PM	Western Blot	Hands-On	Ms Ashita, Dr Dipayan, Dr Mehak
Day-6			
9:30-10:30 AM	Introduction to Flow Cytometry	Lecture	Mr. Anjan Ghosh
10:30-11:00 AM	Tea Break		
11:00-1:30 PM	Flow Cytometry	Hands-On	Mr. Anjan Ghosh, Manoj Khokhar, Dr Amandeep
1:30-2:30 PM	Lunch Break		