

# ACHARYA NARENDRA DEV COLLEGE



UNIVERSITY OF DELHI  
ACCREDITED 'A' GRADE BY NAAC  
ALL INDIAN NIRF 2021 RANKING -20



Under the aegis of DBT STAR Scheme and IQAC



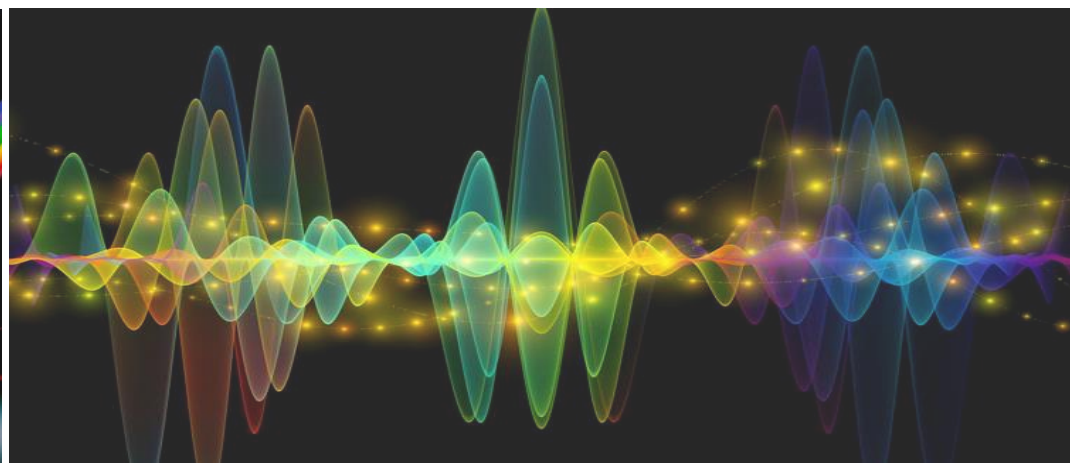
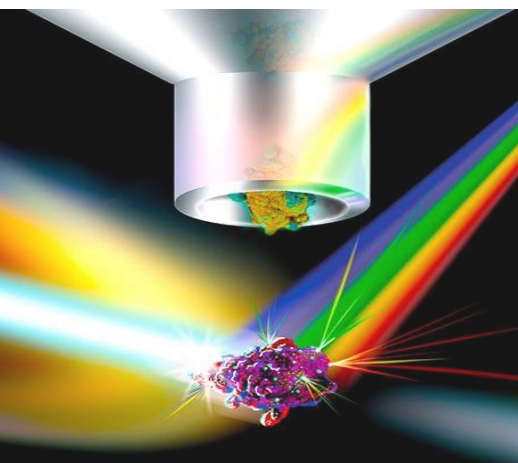
*in collaboration with*  
**FLOW CYTOMETRY  
SOLUTIONS PVT. LTD.**

*Organizes a*

**NATIONAL WORKSHOP (VIRTUAL) ON**

**20-24  
OCTOBER  
2021**

**FLOW CYTOMETRY & qPCR  
BASED BLOOD ANALYSES**



## **REGISTRATION FEE**

*Graduate/Post Graduate  
Students: Rs 300  
Ph.D Students: Rs 400  
Faculty: Rs 500*

*E-certificates will be given  
to all participants*

*Scan QR Code  
for registration*

*Link for registration*

<https://bit.ly/3mF4IUf>





# SPEAKERS



**Prof. Daman Saluja, Director**  
Dr. B.R. Ambedkar Centre for  
Biomedical Research, DU



**Dr. Sunita Jetly, Assoc. Prof.**  
Acharya Narendra Dev College, DU



**Dr. Navkiran Kaur, Asst. Prof.**  
Amity University, Noida



**Dr. Ashish Vyas**  
DBT INSPIRE Faculty, AIIMS Bhopal



**Dr. Hemant Agarwal, Director**  
Flowcytometry Solutions Pvt Ltd.



**Dr. Nirupma Trehanpati, Prof.**  
Institute of Liver and Biliary Sciences



**Dr. Ritu Khosla, Asst. Prof.**  
Acharya Narendra Dev College, DU



**Dr. Anirudh Singh, Scientist D,**  
AIIMS, Bhopal



# WORKSHOP SCHEDULE

## Chief Guest



**Professor Balaram Pani**  
Dean Colleges and  
Principal, Bhaskaracharya College of Applied Sciences  
University of Delhi



**DAY-1 October 20, 2021**

**PLASMA, SERUM AND PBMC ISOLATION**

TIME	TOPIC	SPEAKER
3:00 pm - 3:10 pm	Inauguration and lamp lighting	
3:10 pm - 3:20 pm	Welcome Address	Prof. Ravi Toteja (Officiating Principal)
3:20 pm - 3:30 pm	Address by Chief Guest	Prof. Balaram Pani (Dean Colleges, DU)
3:30 pm - 4:00 pm	Blood and its composition	Dr. Sunita Jetly (ANDC, DU)
4:00 pm - 4:45 pm	Separation of different components of blood (Density Gradient Centrifugation)	Dr. Navkiran Kaur (Amity University, Noida)
4:45 pm - 5:00 pm	Question & Answer session	
5:00 pm - 6:00 pm	Virtual Demonstration of PBMC Isolation	Dr. Ashish Vyas (AIIMS, Bhopal)



# WORKSHOP SCHEDULE



**DAY-2 October 21, 2021**

## **ANALYSIS OF LYMPHOCYTES BY FLOW CYTOMETRY**

TIME	TOPIC	SPEAKER
3:00 pm - 4:00 pm	Introduction to flow cytometry	Dr. Hemant Agarwal
4:00 pm - 5:00 pm	Designing of a flow cytometry experiment	
5:00 pm - 6:00 pm	Applications of flow cytometry	Dr. Nirupma Trehanpati (Professor, ILBS)
6:00 pm - 6:30 pm	Question & Answer session	



**DAY-3 October 22, 2021**

## **ANALYSIS OF LYMPHOCYTES BY FLOW CYTOMETRY**

TIME	TOPIC	SPEAKER
3:00 pm - 4:00 pm	Setting up of flow cytometer and data acquisition (Virtual demonstration)	Dr. Hemant Agarwal
4:00 pm - 5:30 pm	Flow cytometric data analysis and presentation	
5:30 pm - 6:00 pm	Question & Answer session	



# WORKSHOP SCHEDULE



**DAY-4 October 23, 2021**

**REAL TIME PCR**

TIME	TOPIC	SPEAKER
3:00 pm - 4:00 pm	PCR and its applications	Dr. Daman Saluja (ACBR, DU)
4:00 pm - 5:00 pm	Principle and working of q-PCR	Dr. Ritu Khosla (ANDC, DU)
5:00 pm - 6:00 pm	Application of q-PCR	Dr. Anirudh Singh (AIIMS, Bhopal)
6:00 pm - 6:30 pm	Question & Answer session	



**DAY-5 October 24, 2021**

**REAL TIME PCR**

TIME	TOPIC	SPEAKER
2:00 pm - 2:45 pm	Virtual demonstration of qPCR	Dr. Anirudh Singh (AIIMS, Bhopal)
2:45 pm - 3:45pm	Data analysis Question & Answer session	Dr. Ritu Khosla
3:45 pm - 4:00 pm	Vote of Thanks	Dr. Sunita Jetly

*\*e-certificates will be generated automatically upon successful completion of assignments and submission of feedback forms by the participants.*



# MEMBERS

## PATRON

Prof. Ravi Toteja  
Officiating Principal

## CONVENORS

Dr. Sunita Jetly  
Department of Biomedical Science

Dr. Ritu Khosla  
Department of Biomedical Science

## ADVISORY COMMITTEE

Prof. Daman Saluja  
Director, ACBR

Prof. Nirupma Trehanpati  
ILBS, Delhi

Prof. Seema Kapoor, In-charge  
Division of Genetics & Metabolism  
MAMC, Delhi

## DBT STAR CO-ORDINATOR

Dr. Archana Pandey  
Department of Biomedical Science

## FACULTY CO-ORDINATOR

Dr. Deepshikha  
Department of Biomedical Science

## STUDENT CO-ORDINATORS

Mehak Sharma

Shrishti Singh

B.Sc.(H) Biomedical science II year

# ACHARYA NARENDRA DEV COLLEGE

UNIVERSITY OF DELHI

<https://www.andcollege.du.ac.in>



+91- (0)11- 26294540 Near Govindpuri Metro Station