



# Haematocon

## 2025

6<sup>th</sup> - 9<sup>th</sup> November 2025  
*Lucknow*

Innovations in Hematology: Shaping the Future of Diagnosis and Treatment



### Advanced Cytogenetics: Karyotyping and FISH Techniques in Hematological Diagnostics



6<sup>th</sup> Nov 2025  
Thursday



9:00 am -  
2:55 pm



King George's Medical  
University, Lucknow



**Venue:** Room Number 413; Kalam Centre;  
King George's Medical University, Lucknow

#### Program Coordinator



**Dr. Nitu Nigam**

Additional Professor,  
Cytogenetics Unit,  
Centre for Advance Research  
KGMU, Lucknow



**Click the below link to Register!**

**<https://tinyurl.com/4y2rdnbn>**

Scan QR Code to Register



## Agenda

09:00 AM – 09:15 AM	<b>Registration and Welcome</b> (Participant registration, distribution of workshop materials, and introductory remarks)
09:15 AM – 09:35 AM	<b>Lecture:</b> Seeing Beyond the Genome: Cytogenetic Tools in the Era of Precision Haemato-Oncology
Speaker	<b>Dr. Nitu Nigam</b> (Additional Professor, Cytogenetics Lab, CFAR, KGMU, Lucknow)
09:35 AM – 09:55 AM	<b>Lecture:</b> Discussion on real-world applications of Karyotyping and FISH in diagnosing chromosomal disorders.
Speaker	<b>Dr. Dhanlaxmi L. Shetty</b> (Scientific Officer F', Assistant Professor- HBNI, officer in Charge – Cancer Cytogenetics, ACTREC- Tata Memorial Centre, Kharghar, Navi Mumbai)
09:55 AM – 10:15 AM	<b>Tea – Coffee Break</b> (Refreshments and networking)
10:15 AM – 10:45 AM	<b>Lecture:</b> Answering questions in clinical Oncology practice using Cytogenetics
Speaker	<b>Dr. Mayur Parihar</b>
10:45 AM – 11:05 AM	<b>Panel Discussion &amp; Interactive Session with experts to address participant queries and share insights.</b>
11:05 AM – 12:05 PM	<b>Session 1:</b> Principles of Karyotyping & Hands – On Training: Karyotyping (Detailed explanation & practical session for Karyotyping methods, sample preparation, and interpretation of results.)
12:05 PM – 12:40 PM	<b>Session 2:</b> Introduction to FISH (Basics of FISH, probe selection, and fluorescent microscopy.)
Speaker	<b>Lt. Col. (Dr.) Barun Kumar Chakrabarty</b> (Associate Professor, Department of Pathology, Armed Force Medical College, Pune)
12:40 PM – 01:10 PM	<b>Hands-On Training Part I:</b> FISH (Practical session on sample preparation, DNA denaturation, probe preparation, hybridization, and slide processing)
01:10 PM – 02:10 PM	<b>Lunch Break</b>
02:10 PM – 02:40 PM	<b>Hands-On Training Part II:</b> FISH (Practical session on signal detection via fluorescence microscopy and result interpretation)
02:40 PM – 02:55 PM	<b>Closing Remarks</b> (Summary of the workshop and feedback collection)
02:55 PM Onwards	<b>Tea – Coffee Break</b> (Refreshments and networking)