



आरोग्यम् सुख सम्पदा

**National CME cum Workshop**  
**“Sensitization and skill–building in Cytogenetics, Karyotyping and FISH”**

**Department of Anatomy, AIIMS Raipur**

**Venue: Lecture Theater - 5,**

**AIIMS Raipur, C.G.**

**Date: 13<sup>th</sup> -14<sup>th</sup> Jan 2025**

**Organized by**

**Department of Anatomy,**

**AIIMS Raipur, Chhattisgarh**

Contact no- 9558434076, 6392192218

Email - [geneticsworkshop.aiimsrp@gmail.com](mailto:geneticsworkshop.aiimsrp@gmail.com)



**30 seats are available for workshop.** First come first serve

**Eligibility :** Faculty, research scholar, PG students, PhD students, Technical personnel from college / university, medical college

Mode of CME : only offline.

Registration Fee – 4000/- only (Rupees four thousand only)

Last date of Registration – 25<sup>th</sup> of December 2024

**Bank details**

Account holder : --All India Institute of Medical Sciences Raipur

Account name: -- All India Institute of Medical Sciences Raipur A/c GENETOMY 2025

Account no. – **936310210000047** IFSC Code : --BKID0009363

Branch name & Address :---Bank of India, Tatibandh Raipur, C.G. 492099

Registration link: <https://forms.gle/pshNAu86gBGRXkfi6>

Applied for CME credit hours

It gives us great pleasure to welcome faculty and students for the national CME cum workshop on Sensitization and skill–building in Cytogenetics, karyotyping, and FISH. In this two-day CME cum workshop, we aim to empower healthcare professionals, researchers, and educators with the knowledge and skills required to navigate the rapidly advancing field of Cytogenetics. This interactive program will combine didactic sessions with hands-on training, offering a unique opportunity to delve into the fundamentals and applications of karyotyping and fluorescence in situ hybridization (FISH).

**Key Objectives:**

- Sensitization: Introduce participants to the significance of Cytogenetics.
- Skill-Building: Provide hands-on training in karyotyping and FISH techniques.
- Knowledge Integration: Facilitate understanding of cytogenetic methodologies and their clinical applications in detecting chromosomal abnormalities, genetic disorders.

**Patron**

**Lt Gen. Ashok Jindal**  
PVSM, AVSM, YSM (Retd.)  
Executive Director & CEO  
AIIMS Raipur

**Co-Patron**

Prof.(Dr.) Alok C. Agrawal	Dean Academic,
Prof.(Dr.) Sarita Agrawal	Dean Research
Prof.(Dr.) Eli Mohapatra	Dean Examination
Prof.(Dr.) Krishnadutt Chavali	Dean Student Welfare

**Organizing Chairman**

Prof (Dr.) Soumitra Trivedi  
Prof (Dr.) Manisha B. Sinha

**Organizing Secretary**

Dr. Amit P Tirpude

**Scientific Committee**

Prof (Dr.) Manisha B. Sinha  
Prof (Dr.) Mrityunjay Rathore  
Prof (Dr.) A. U. Siddiqui

**Registration Travel & Catering**

Dr. Amit P Tirpude  
Dr. Dharam Singh Rathia  
Dr. Rahul Ukey  
Dr. Bhavana Soni

## Programme Schedule – Day 1

Timing	Topic	Speaker/Chairpersons
08:30 am – 09:00 am	<b>Registration</b>	
09:00 am- 09:15 am	Introduction to Cytogenetics	Prof (Dr.) Manisha B. Sinha Department of Anatomy, AIIMS, Raipur
09:15 am – 10:15 am	Essence of karyotyping - Challenges in reporting of Chromosomal Disorders	Prof ((Dr.) Kausik Mandal Department of Medical Genetics, SGPGI Lucknow, U.P. India
10:15 am – 11:00 am	<u>Inauguration</u> <b>Lt Gen. Ashok Jindal</b> , Executive Director & CEO AIIMS Raipur	
11:30am – 12.15 Pm	Role of FISH in diagnostics	Dr. Ashwin Dalal, Head, Centre for DNA Fingerprinting and Diagnostics, Uppal, Hyderabad, Telangana
12.15 – 1:00 Pm	Metasystems- commercial presentation	
1.00 – 1:30 pm	Culture and harvesting Process	Dr. Amit P Tirpude Department of Anatomy, AIIMS, Raipur
	Lunch	
<b>Visit to Lab</b>		
02:10 pm -02.30 pm	Planting of sample	Prof (Dr.) Manisha B. Sinha Department of Anatomy, AIIMS, Raipur
2:30pm – 04:30 pm	Hematology FISH- Sample processing, probe application, denaturation and hybridization	

## Programme Schedule – Day-2

Timing	Topic	Speaker/Chairpersons
09:00 am- 09:45 am	Principles of Genetic counselling in chromosomal disorders	Prof. Dr. Dnyandeo. Chopade, SMBT Institute of Medical sciences & research center, Nashik, Maharashtra
09:45 am – 10:30 am	Analysis of Chromosomes/GTG banding	Prof. Dr. Manisha B Sinha Department of Anatomy, AIIMS, Raipur
10:30 am – 12:00 pm	FISH: post hybridization washes and DAPI staining	
12:15 – 1.00 pm	Awareness to Metapher, Ikaros and FISH on system, Imaging and analysis of FISH slide.	
LUNCH		
<b>Visit to Lab</b>		
01:30 pm – 02:00 pm	Processing	Prof (Dr.) Manisha B. Sinha Dr. Amit P Tirpude Mr. Chiten sen Miss Renu Verma
02:00 pm – 02:30 pm	Washing	
02:30 pm – 03:00 pm	Slide Preparation	
03:00 pm – 04:00 pm	Microscopy	

## Places nearby for Accommodations

Hotel Gagan Regency Opposite gate no. 1 AIIMS Raipur

Hotel Singhania Sarovar 600 meter from AIIMS Raipur

Hotel Piccadily 1.8 Km from AIIMS Raipur

Hotel Maruti Lifestyle 3 Km from AIIMS Raipur

## Places to Visit – Jungle safari, Bambleshwari temple, Chitrakot waterfall, Kaushalya Dham

