



Workshop Announcement

Application of conventional and molecular cytogenetic techniques in diagnosis of chromosomal abnormalities

Hands-on workshop

16th to 18th July, 2026

This workshop provides training in integrating **conventional cytogenetics (karyotyping)** and **molecular cytogenetics (FISH, mFISH and mBAND FISH)** to diagnose chromosomal rearrangements. Participants gain hands-on experience in analyzing chromosomal abnormalities, pre/postnatal cases, and hematological malignancies.

Lectures: Principles of karyotyping, FISH, mFISH and mBAND FISH in the detection of aneuploidies, microdeletion syndromes; localization of genes to specific chromosomal regions and in the study of various cancers and the usage of workstation in capturing, analysis and reporting of the cases.

Laboratory: Culturing and harvesting of peripheral blood sample, G-Banding, karyotyping, direct processing of amniotic fluid, FISH, mFISH and mBAND FISH.

Participants: Young scientists, Post graduates and medical professionals with some previous training in clinical genetics are encouraged to apply with a CV by e-mail.

Registration charges (covers course manual, lunch and coffee/tea): Rs. 8000/- per participant.

Accommodation (if needed): Rs. 500/- per day, per participant for a twin sharing room with attached bathroom.

To register contact: Ms. Pooja S. K., pooa@chg.res.in

Dr. Jayarama S. Kadandale Ph.D/ Ms. Pooja S. Kulshreshtha M.Sc
Centre for Human Genetics
Biotech Park, Electronic city phase I
Bangalore 560 100 Phone: 080-28521832