CENTRE OF BIOINFORMATICS RESEARCH & TECHNOLOGY

Hands-on Training

Whole Exome Sequencing Data Analysis
From Raw Reads to Clinical Insights

2 Weeks | 08-19 Sept. 2025
Registration Closes: 07 Sept. 2025
7:00 - 8:00 PM (IST) | Monday to Friday

ONLINE

ABOUT THE TRAINING

Join this 2-week online training to master the complete workflow of whole-exome sequencing data analysis—from raw reads to clinically relevant variant interpretation.

REGISTRATION PROCESS

Eligibility: Students pursuing B.Sc., B.Tech., M.Sc., M.Tech., PhD in life sciences/computer science as well as Teaching and Industry Professionals.

To get the application form and fee details and for any other queries, write to us at info@cbirt.net or call us at +91 6398142849.

SCAN ME

Visit: www.cbirt.net/training

TOPICS

- Introduction and applications of Exome sequencing
- Data Acquisition & Quality Control
  Hands-on: Data download, FastQC, MultiQC, trimming
- Alignment to Reference Genome
  Hands-on: BWA-MEM alignment, SAMtools usage
- Post-alignment Processing
  Hands-on: Picard for duplicates, GATK for BQSR
- Variant Calling - SNPs and Indels
  Hands-on: GATK HaplotypeCaller, VCF exploration
- Variant Filtering & Annotation
  Hands-on: Filtering (GATK/bcftools), ANNOVAR, snpEff
- Functional Interpretation
  Variant prioritization and scoring tools: SIFT, PolyPhen, CADD

PROGRAM BENEFITS

Certificates | Access to Live Sessions | Recordings | Workshop Materials | Online Technical Support Post Training

COURSE INSTRUCTORS

Dr. Shikha Mittal, Bioinformatics Trainer, CBIRT
Dr. Tamanna Anwar, Training Organizer & CoFounder, CBIRT

REGISTER NOW

+91 6398142849   INFO@CBIRT.NET   WWW.CBIRT.NET

FAGTQ
AGTTET

CENTRE OF BIOINFORMATICS RESEARCH & TECHNOLOGY

Hands-on Training
Whole Exome Sequencing Data Analysis
From Raw Reads to Clinical Insights

WORKSHOP REGISTRATION

To register for the workshop, please submit the registration form along with your payment details. We accept multiple payment methods to ensure a convenient and secure registration process.

REGISTRATION PROCESS

STUDENTS (UPTO PHD LEVEL)
INR-2500

POSTDOC/RESEARCH SCHOLARS
INR-2750

STAFF/FACULTY
INR-3000

INDUSTRY PROFESSIONALS
INR-3500

INTERNATIONAL PARTICIPANTS
(Including all Living, Working, or Studying Abroad at the time of the Workshop).

STUDENTS (UPTO PHD LEVEL)	POSTDOC/ RESEARCH SCHOLARS	STAFF/FACULTY	INDUSTRY PROFESSIONALS
USD 45	USD 50	USD 55	USD 60

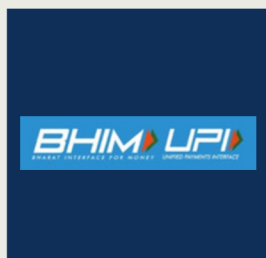| Early Bird Registration (Closes 2nd Sept. 2025)	Students (Upto PhD Level)	Postdoc/Research Scholars	STAFF/Faculty	Industry Professionals
Indian Participants	INR-2250	INR-2475	INR-2700	INR-3150
International Participants	USD 40.5	USD 45	USD 49.5	USD 54

PAYMENT METHODS

SCAN QR CODE
centreofbioinformaticsresearch@cnrb

UPI ID
BHIM UPI

PAYPAL ID
PayPal
PayPal.Me/cbirt1

ONLINE TRANSFER
Account No. - 120023770387
Bank Name - CANARA BANK
IFSC Code - CNRB0002336
Branch Code - 002336
Branch - Kelangar, Aligarh

Payable to: Centre of Bioinformatics Research and Technology

For Queries/More Details Contact: *info@cbirt.net*

REGISTER NOW

+91 6398142849   INFO@CBIRT.NET   WWW.CBIRT.NET