CENTRE OF BIOINFORMATICS RESEARCH & TECHNOLOGY

Bridging Statistics and Genetics:

A Hands-on Training on Genome-Wide Association Studies (GWAS) Data Analysis

USING COMMAND-LINE & LINUX TOOLS

2 Weeks | 11 Aug. to 23 Aug. 2025
Registration Closes: 10 Aug. 2025
7.00 PM - 8:00 PM (IST) | Monday to Friday

About the Workshop

Join us for an intensive 3 Weeks workshop designed to bridge the gap between statistical analysis and genetics through hands-on Genome-Wide Association Studies (GWAS) training.

From foundational concepts in genetics and population structure to advanced statistical methods, this comprehensive workshop covers everything you need to master GWAS data analysis.

Topics

- Introduction to GWAS
- Basics of Genetics for GWAS
- Population Genetics and Structure
- Understanding GWAS Data Formats
- Exploratory Data Analysis for GWAS
- Introduction to GWAS Software (PLINK, TASSEL, GAPIT, rMVP, GEMMA)
- GWAS Using TASSEL
- GWAS Using rGAPIT in R
- GWAS Using PLINK

Details

Eligibility:

Students pursuing B.Sc., B.Tech., M.Sc., M.Tech., PhD in life sciences/computer science

Teaching professionals
Industry professionals

Course Instructors

Dr. Shikha Mittal - Bioinformatics Trainer, CBIRT

Dr. Tamanna Anwar - Training Organizer & CoFounder, CBIRT

Program Benefits

- Certificates on Successful Completion
- Access to Live Sessions
- Recordings
- Workshop Materials
- Online Technical Support Post Workshop

More Details

Visit: **www.cbirt.net/training**

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Training 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.

Scan the QR Code for the Registration Form

Registration Process

STUDENTS (UPTO PHD LEVEL)
INR-2500

POSTDOC/RESEARCH SCHOLARS
INR-3000

STAFF/FACULTY
INR-3500

INDUSTRY PROFESSIONALS
INR-4000

INTERNATIONAL PARTICIPANTS

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

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

Contact Us

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