

# Bridging Statistics and Genetics: A Hands-on Training on **Genome-Wide Association Studies (GWAS)** Data Analysis

USING **COMMAND-LINE & LINUX TOOLS**



3 Weeks | 03 March to 21 March 2025  
Registration Closes: 01 March 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

- Basics of Genetics for GWAS
- Population Genetics and Structure
- Statistical Foundations for GWAS
- Experimental Design in GWAS
- 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](http://www.cbirt.net/training)

*Bridging Statistics and Genetics*

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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.



## 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)**

USD 45

**POSTDOC/  
RESEARCH SCHOLARS**

USD 50

**STAFF/FACULTY**

USD 55

**INDUSTRY  
PROFESSIONALS**

USD 60

## Payment Methods

**SCAN QR CODE**



[centreofbioinformaticsresearch@cnrh](mailto:centreofbioinformaticsresearch@cnrh)

**UPI ID**



**PAYPAL ID**



[PayPal.Me/cbirt1](https://www.paypal.com/india/web/WebPage?_ga=2.185083381.1810321092.20250227.1810321092.1810321092)

**ONLINE TRANSFER**

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Payable to: Centre of Bioinformatics  
Research and Technology

**Contact Us**



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<http://www.cbirt.net/training>