

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

USING COMMAND-LINE & LINUX TOOLS



2 Weeks | 22 Sept. to 6 Oct. 2026
Registration Closes: 21 Sept. 2026
7.15 PM - 8.15 PM (IST) | Monday to Friday



About the Workshop

Join us for an intensive 2-week 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 -
Organizer & Founder,
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 Fee



**STUDENTS
UPTO MASTERS**
INR-2250

PH.D
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 MASTERS**
USD 40

PH.D
USD 45

**POSTDOC/
RESEARCH SCHOLARS**
USD 50

STAFF/FACULTY
USD 60

**INDUSTRY
PROFESSIONALS**
USD 65

