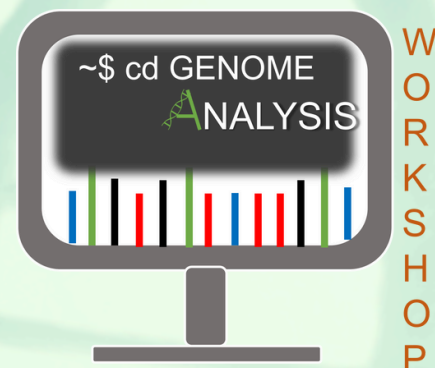


HPC Cluster Genome Analysis

July 14 -18, 2025



SCHEDULE

09:30 am - 12:30 pm |
14:00 pm - 18:00 pm

LOCATION

Advanced Computing Lab.
(ESTiG, IPB, Bragança, PT)

July 14 -16

Module 1

Linux Command Line

- Basic concepts and commands
- Identity and password management
- File system: structure, navigation, permissions
- Input/output redirection
- Manipulation of text files
- File system: archiving, compression and search
- Basic process and job management
- Hands-on session

July 16 -18

Module 2

Complete Genome Analysis

- “Reads” alignment using a reference genome
- Marking duplicates
- Base quality recalibration
- Variant discovery and selection
- Variant annotation
- Summary statistics
- Population structure inference
- Hands-on session



Registration

Limited places. Deadline: July 10

Fees: **25 euros** (students) **50 euros** (non-students)

Organization and Training: José Rufino (rufino@ipb.pt), Dora Henriques (dorasmh@ipb.pt)



INSTITUTO POLITÉCNICO DE BRAGANÇA
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