



## BIOINFORMATICS TRAINING SESSION

SEARCH FOR GENETIC VARIANTS  
(SUBSTITUTION, INSERTION, DELETION) (REFERENCE: GFBMUT)

### LOCATION

GENOSCREEN (Lille – 59)

### DURATION

1 day

### PRICE

Regular session: €950excl.tax/person

### DATES

Sessions: from May 21st to 23rd &  
october, 2025

### CONDITIONS

- Trainings combine theoretical presentations and practical work. Tangible examples are presented.
- Individual assessment of knowledge acquisition.
- Training materials provided.

### CUSTOMIZED SESSION

On-site trainings with content and duration tailored to your objectives.

Please contact us for more information: [click here](#)

### ▶ TYPE

60% theoretical and 40% practical.

### ▶ REQUIREMENTS

Basic knowledge of molecular biology, theory of NGS technologies.

### ▶ EQUIPMENT

You will need a Linux, Mac OS or Windows computer able to connect to the Internet.

### ▶ PARTICIPANTS

PhD, engineers and others wishing to acquire the fundamentals of genetic variant research for ad hoc mutations (substitution, insertion, deletion).

### ▶ AIMS

The main objective of this training session is to provide the theoretical knowledge for calling variants, in particular ad hoc mutations including substitutions, as well as small insertions and deletions (indels) from high-throughput sequencing data.

### ▶ PROGRAM

- Theoretical overview of the various classes of genetic variants and how they can be detected using high-throughput sequencing data.
- Data mapping on a reference genome.
- Presentation of a variant calling workflow.

## CONTACT

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