GenoScreen
Innovative Genomics

AGTCC–GA

BIOINFORMATICS TRAINING SESSION

BLAST MASTERY (REFERENCE : GFBMBB)

LOCATION
GENOSCREEN (Lille – 59)

DURATION
½ day

PRICE
Regular session: 500 € excl. taxes

DATES
Sessions: from May 21 to 23, 2025
from October 15 to 17, 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
70% theoretical and 30% 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 willing to acquire the fundamentals of sequence annotation.

AIMS
By the end of this training course, the candidate will have the theoretical and practical skills to carry out sequence annotation for prokaryotic and eukaryotic genomes. The various structural and functional annotation strategies will also be covered, and practical examples will be used to identify the genes present in a genome and describe their function(s). During this course, the focus will be on the optimized use of BLAST («Basic Local Alignment Search Tool») for querying databases for nucleic or protein sequence comparison/annotation/identification.The understanding and ability to establish optimal parameters will be paired with knowledge regarding metrics in order to optimally interpret results.

PROGRAM
- Introduction to sequence annotation, reminders of gene structure.
- Description of the different structural and functional for prokaryotic and eukaryotic genomes. and eukaryotic genomes.
- Explanation of the various BLAST variants: BLASTn, megaBLAST, BLASTp, BLASTx, tBLASTx, etc.
- Using BLAST on public and private databases or private databases.