Workshop Objectives

Tel-Hai College and MIGAL Galilee Research Institute are offering a unique international workshop in bioinformatics. Participants will gain practical experience in NGS data analysis and theory, statistical and analytical approaches and hands-on practice using a variety of tools.

The 5-day workshop will include the following topics:

**Day 1 →**
Introduction to next-generation sequencing data analysis, Linux command line.

**Day 2 →**
Cleaning and trimming raw data, introduction to alignment algorithms and tools.

**Day 3 →**
Transcriptome and genome assembly, expression profiling and statistics.

**Day 4 →**
Gene annotation

**Day 5 →**
Genome-wide association mapping, variant calling and processing, phylogenetic analysis and inference.

The workshop will also include a field trip in northern Israel, and two social events. Students can obtain two academic credit points subject to the home institution approval.

Application

The workshop is open to a limited number of participants. Graduate students, postdocs and research scientists from institutions of higher education of all nationalities are welcome to attend. The course will be taught in English.

For further information, please email: bioinfo@m.telhai.ac.il

Interested applicants – please apply online at: tinyurl.com/y78xmj74