



# IO17 | Large Scale Bioinformatics for Immuno-Oncology

## Neoantigens: exercise 1

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## Exercise 1: HLA typing



To use TIminer, Docker must be running on your computer!

We have access to single-end RNA-seq data from a melanoma patient:

*Patient\_1\_RNAseq.fastq*

Perform HLA typing with TIminer (function `TIminerAPI.executeOptitype`) using „Patient\_1“ as subject ID)

**Hint:** you can perform parallel computation using up to 8 CPUs.

Once you get the results, answer the questions related to this exercise at:

<https://b.socrative.com/login/student/>

# How to access the questions on Socrative (1)


1. Access Socrative with student access at: <https://b.socrative.com/login/student/>
2. Join the **IO17** room



Student Login

Room Name

JOIN

 English ▾

## How to access the questions on Socrative (2)

3. Enter your name and click „done“ to start the quiz

I017

Enter your name

Francesca Finotello

**DONE**