



IO17 | Large Scale Bioinformatics for Immuno-Oncology

Neoantigens: exercise 2

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Exercise 2: variant annotation



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

We have access to VCF file reporting the somatic DNA mutations predicted for Patient_1 using the GRCh37/hg19 human genome annotation:

Patient_1_mutations.vcf

Predict the proteins affected by the mutations with Tlminer (function TlminerAPI.**executeVep**).

Note: use „Patient_1“ as subject ID and */ader/databases/vep* as cache directory.

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

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