

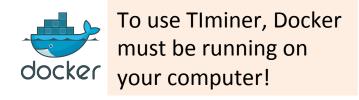
IO17 | Large Scale Bioinformatics for Immuno-Oncology

**Neoantigens: exercise 2** 

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GTPB | The Gulbenkian Training Programme in Bioinformatics Instituto Gulbenkian de Ciência, Oeiras, Portugal | Sept 19th-22nd, 2017





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 /home/participant/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)

- Access Socrative with student access at: <a href="https://b.socrative.com/login/student/">https://b.socrative.com/login/student/</a>
- 2. Join the **IO17** room



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

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



