

Genomic Medicine

PhD block course for the PhD Program Molecular and Translational Biomedicine
November 27 – December 1 2017 in Zurich

Student Exercise 3

Rennert, H., Eng, K., Zhang, T., Tan, A., Xiang, J., Romanel, A., Kim, R., Tam, W., Liu, Y.-C., Bhinder, B., Cyrta, J., Beltran, H., Robinson, B., Mosquera, J.M., Fernandes, H., Demichelis, F., Sboner, A., Kluk, M., Rubin, M.A. and Elemento, O. 2016. Development and validation of a whole-exome sequencing test for simultaneous detection of point mutations, indels and copy-number alterations for precision cancer care. *npj Genomic Medicine* 1.

DOI: [10.1038/npjgenmed.2016.19](https://doi.org/10.1038/npjgenmed.2016.19)

Assignment:

1. Read the paper and discuss it in your group.
2. Prepare a 10 min presentation of the paper.
3. Discuss in your group how you would implement such a report in a molecular tumor board and present your ideas in 5 min:
 - a. What is the process from biopsy / sample to molecular tumor board decision?
 - b. How do you decide what to report to the member of the molecular tumor board? And why? Will everyone want to see everything?
 - c. Think about a way to integrate all the information in a single report. What could be a good format? What features would such a report need to offer?

After your presentation, there will be a discussion of 10-15 min.

Note: All time limits are sharp – we will interrupt you.