

Genomic Medicine

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

Student Exercise 9

S-J Dawson et al. Analysis of Circulating Tumor DNA to Monitor Metastatic Breast Cancer, N Engl J Med 2013; 368:1199-209.

doi: 10.1056/NEJMoa12132612017

Assignment:

1. Read the paper and discuss it in your group.
2. Prepare a 10 min presentation of the paper.
3. Discuss how circulating tumor DNA can improve diagnostics, prognostics, or treatment of cancer patients with solid tumors.
 - a. Which sequencing approach should be favored? Why?
 - b. In your opinion, what is the main limitation of this approach?
 - c. In which situation – if any – may sequencing circulating tumor cells be more promising than cell-free DNA?

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

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