Genomic Medicine

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

Student Exercise 7

E Choi et al. Doctor AI: Predicting Clinical Events via Recurrent Neural Networks. Proceedings of Machine Learning for Healthcare, 2016.

doi:

Assignment:

1. Read the paper and discuss it in your group.
2. Prepare a 10 min presentation of the paper.
3. Design a strategy to implement Doctor AI in Switzerland and present it in 5 min:
   a. Define the goals: How can the system support medical decision making in practice?
   b. Define the data to be used, especially in light of Figure 3 and the Swiss Personalized Health Initiative [link to Swiss EHR integration efforts].
   c. How could the system be tested, validated, or approved?

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

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