

Prof. Stefano Volinia from University of Ferrara, Italy, is a recognized expert in computational biology, author of near 200 publications in the field. He has been involved in developing bioinformatics applications since 1988 (identification of statistically anomalous oligonucleotides in DNA databases). Lately he has been responsible for developing an in-house protocols for DNA microarrays and next-generation sequencing analysis.

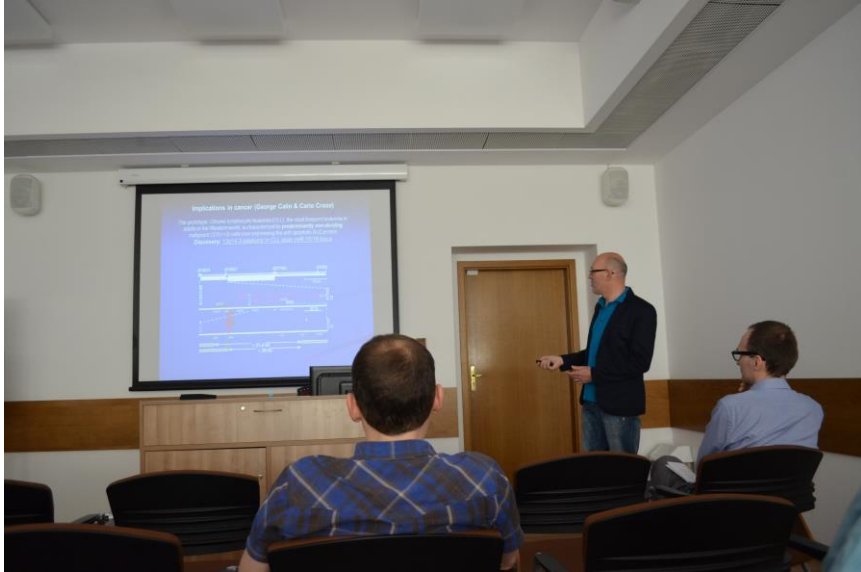
Prof. Stefano Volinia visited the Laboratory of Genomic Medicine between May 20th and June 21st, 2014. His stay was connected with the on-going activity of the laboratory, concerning mainly large scale data analysis and its possible use in studies on human cancers. We were mainly interested in developing a proper pipeline for identification of novel microRNAs in data obtained in next-generation sequencing analysis.



Prof. Volinia at the Laboratory of Genomic Medicine, MUW.

We also discussed the possibilities of applying for joint EU grants offered within Horizon 2020.

On May 23, 2014 Prof. Volinia Gave a lecture on „The role of microRNAs in the progression and invasiveness of breast cancer", during which he told the audience about the novel findings and his own role in elucidation of molecular changes underlying breast cancer.



Prof. Volinia during his talk on the role of microRNAs in breast cancer

The lecture took place at the Medical University of Warsaw.