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**BASTION – FROM BASIC TO
TRANSLATIONAL RESEARCH
IN ONCOLOGY**

**Report on the visit in the Department of Internal Medicine III at
University of Ulm (Germany) within the 7PR21/BASTION/WP1
(Twinning)**

4 May – 13 June 2015

Marcin Machnicki



ulm university universität
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Between May 4th and 13th June I had a pleasure to visit Department of Internal Medicine III in University of Ulm in Germany. My visit was coordinated under the twinning agreement between the Medical University of Warsaw and the University of Ulm in WP1 (Task 1.3).



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Prof. Lars Bullinger's team and Marcin Machnicki in University of Ulm.

My visit was a third visit of the members of our research team at Ulm and was strictly connected with the realization of an ongoing research project, which is a subject of active collaboration between our laboratories. This project is focused on the most common type of leukemia in adults - chronic lymphocytic leukemia (CLL) and its aim is to find markers of response of CLL cells to tyrosine kinase inhibitor dasatinib. Since the major tool used in our study is gene expression profiling, collaboration with an expert in the field of genetics and hematological cancers (including CLL) prof. Lars Bullinger and his team from Department of Internal Medicine III constitutes an invaluable improvement to our research.

The main objective of my visit in Ulm was to analyze a new group of patient-derived RNA samples that, together with the results acquired previously (during dr Eliza Głodkowska-Mrówka twinning visit in Ulm), that will allow us to assess the expression patterns related to dasatinib response or resistance. Therefore, with the



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help of dr. Anna Dolnik, I had the possibility to learn how to acquire high-quality cDNA libraries for RNA sequencing and prepare all the samples planned in our study.



University Hospital in Ulm.

During my stay in Germany I also had additional opportunities to join scientific meetings of research teams at University of Ulm, hear invited speakers from abroad, but also to watch master thesis presentations of students working in prof. Bullinger's team. Finally, I could discuss the future plans for the analysis of all data gathered during our collaboration.