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

**Report on the stay of Tomasz Piecha at Radboud Institute for Molecular Life Sciences
at Radboud University Medical Center in Nijmegen, Nederland within
7PR21/BASTION/WP1 (Twinning, T1.5)**

From November 25th till November 29th 2014, I visited the Radboud Institute for Molecular Life Sciences (RILMS) at Radboud University Medical Center in Nijmegen, Nederland. The stay at Radboud University was carried out within the framework of the BASTION twinning programme.

Professor Jack Schalken is the theme leader for urological cancers at RILMS, and world-class expert on prostate cancer molecular biology and prostate cancer biomarkers. His research group focuses on the new prostate cancer biomarkers exploration and new molecular-based treatment solutions for urological cancers.

The aim of the visit was to get acquainted with the work of the molecular biology lab, and to learn research techniques that enable the isolation and analysis of prostate-derived exosomes. Moreover, the visit was performed to gain knowledge about the use of exosomes as potential biomarkers and therapeutic targets in prostate cancer treatment.

During the visit at Radboud, I had the opportunity to familiarize myself with different chromatographic techniques, and immunological analytic methods such as chemiluminescence, lymphoproliferation analysis or immunoglobulin synthesis analyses. Moreover, it was possible to consult exosome-targeted research project with experts working on this topic.

The most valuable experience was the opportunity to consult the research plan with professor Schalken, which enabled to solve the appearing methodological difficulties and adjust the project schedule. Furthermore, the visit helped to establish scientific contacts, and plan further cooperation between Radboud Institute for Molecular Life Sciences and Department of Urology, Medical University of Warsaw .



Research Institute for Molecular Life Sciences
round stairs

