



Report on the visit of Cyril Fauriat in Department of Immunology, Centre for Biostructure Research, Medical University of Warsaw within 7PR21/BASTION/WP1 (Twinning)

Visitor: Cyril Fauriat, PhD

Host: Magdalena Miniarska MD, PhD, Department of Immunology, Centre for Biostructure Research, Medical University of Warsaw

From July 12th until August 10th, 2014 I was visiting the Department of Immunology Centre for Biostructure Research in the Medical University of Warsaw. The main goal of my visit was to continue collaboration between our two laboratories on studies of NK cell functions. The collaborative project concerns the biology of human NK cells and the function of certain RNA binding protein in NK cell functions. I had the opportunity to learn and train on biomolecular techniques and I performed experiments such as cloning, transformation and transfection. I also had the opportunity to design future experiments and more precisely knockout experiments with a new technique (CRISPR) that I wish to import in my laboratory. Furthermore, interactions with the team of Dr. Winiarska were strengthened and resulted in *i)* advances with the prospect of over-expression of our proteins of interest and *ii)* fruitful designs and discussions about CRISPR technique that we will use to evaluate the function of these proteins.



Fig.1 Dr Cyril Fauriat performing molecular cloning in the Department of Immunology.

The results of experiments performed during my stay are currently continued in the laboratory of Dr M. Winiarska by postdoc Dr. Beata Pyrzynska who will be the main collaborator in the team of Dr. Winiarska. As this project is a recent project, the collaboration will continue exploiting the skills of both laboratories.