



Report on the visit of Magdalena Winiarska in the Institute of Tumor Immunology, Cancer Research Center of Marseille, University of Mediterranean, Marseille, France within 7PR21/BASTION/WP1 (Twinning)

Visitor: Magdalena Winiarska, PhD

Host: Daniel Olive MD, PhD, Laboratoire d'Immunologie des Tumeurs et Centre INSERM de Recherche en Cancerologie de Marseille, IBiSA Cancer Immunomonitoring platform, Institut Paoli Calmettes, Marseille, FRANCE

From June 18th until July 13th, 2014 I was visiting the Laboratoire d'Immunologie des Tumeurs, INSERM, Marseille, France. The main goal of my visit was to continue collaboration between our two laboratories on studies of NK cell functions. I got familiar with flow cytometry techniques used to determine the activation state of NK cells. I performed experiments with a vast series of antibodies recognizing both activating and inhibitory receptors of NK cells.

The aim of my project was to evaluate how redox state influences activation state of NK cells, their natural cytotoxicity and activity of NK cells in ADCC process. Experiments were performed on freshly isolated NK cells from 3 donors in 3 variants.

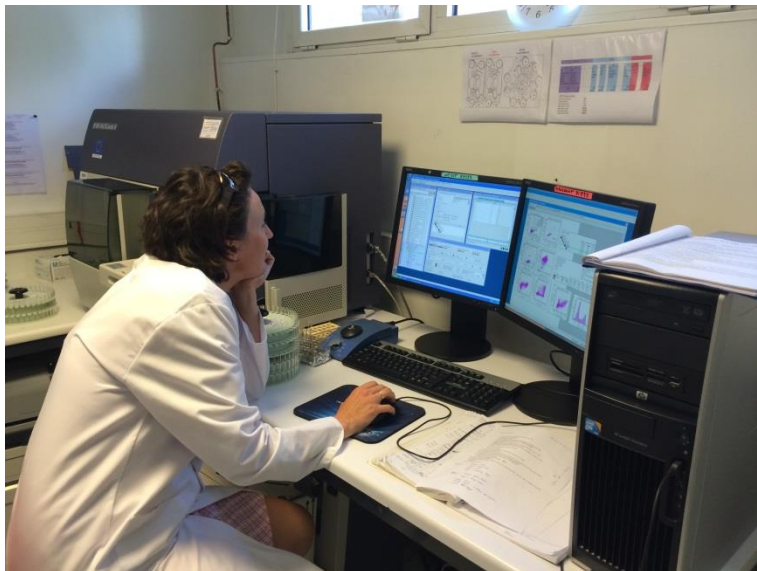


Fig.1 Dr Magdalena Winiarska analyzing the flow cytometry data in Laboratoire d'Immunologie des Tumeurs.

The results of experiments performed during my stay in the Laboratoire d'Immunologie des Tumeurs are included in one manuscript (under preparation):

1. Peroxiredoxin inhibitor, adenanthin, impairs the functioning of human natural killer cells - Marta Siernicka, Magdalena Winiarska, Malgorzata Bobrowicz, Malgorzata Bajor, Cyril, Fauriat, Jakub Golab, Radoslaw Zagozdzon