



**MEDICAL UNIVERSITY OF  
WARSAW**  
Department of Immunology,  
Warsaw, Poland



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



**UNIVERSITY OF VERONA**  
Department of Neurological and  
Movement Sciences,  
Verona, Italy

**Report on the stay of Dr Gaetano Vattemi at the Department of  
Immunology Medical University of Warsaw, within the  
7PR21/BASTION/WP1 (Twinning)**



**DrVattemi, Dr Guglielmi, Dr Nowis and Dr Firczuk at the Department of Immunology, Warsaw.**

I am an assistant professor at the University of Verona, Department of Neurology and Movement Sciences and my research activity is aimed at the definition of the pathogenic mechanisms of skeletal muscle diseases and at the identification of diagnostic biochemical markers for these disorders.

From October 26<sup>th</sup> till November 23<sup>rd</sup>, 2013 I visited Department of Immunology, Medical University of Warsaw (MUW), Poland. During my visit I was involved in research activities carried out by Dr. Dominika Nowis and her group members. Our collaboration with Dr. Nowis arose from the common interest to study the biological effects of a proteasome inhibitor on skeletal muscle and primary myoblasts and myotubes.

During my stay in Warsaw I had the opportunity to discuss with Dr. Nowis about our on-going collaborative project and plan some final experiments to conclude our joint study. Moreover I get familiar with the research projects and laboratory techniques performed at the Department of Immunology, in particular I had a chance to follow some transfection experiments that have been performed on HeLa and primary human myoblasts (the latter have been isolated in Verona by my collaborator). I also have been involved in cloning sarcalumenin in view to perform subsequent experiments to characterize the biological functions of this protein in skeletal muscle.

During my stay I participated to the weekly meeting at the Department of Immunology and, together with my post-doctoral fellow Valeria Guglielmi who visited MUW in the same period, I gave a seminar about my on-going research projects in order to share ideas and to find out possible common scientific interests with members of the Department of Immunology. Thanks to my visit to the Department of Immunology MUW I get in touch with Dr. Tomasz Stokłosa and now we are collaborating to perform whole exome sequencing in some patients with skeletal muscle disorders of unknown causative gene.



**Dr Firczuk and her husband, Dr Guglielmi and Dr Vattemi at the Maly Belgrad restaurant in Warsaw.**