



**Department of Immunology
Medical University of Warsaw
Banacha 1a, 2-097 Warsaw, Poland
Tel. +48 22 599 21 98**



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

**Report of the visit of Agata Zych in the Cancer Biology and Therapeutics
Laboratory, Conway Institute, University College Dublin, Dublin, Ireland
within the 7PR21/BASTION/WP1(Twinning T1.1)**



University College Dublin, Conway Institute of Biomolecular and Biomedical Research

From 1st till 31st July 2015, I had an opportunity to visit the Cancer Biology and Therapeutics Laboratory of Prof William M. Gallagher. The main field of interest of CBT lab is the identification and validation of molecular determinants of tumor progression in breast cancer and melanoma. Moreover, they focus also on identification and validation of candidate prognostic and predictive biomarkers in oncology.

My stay in Dublin was strictly connected with the previous visit of another team member of our group DrMałgorzataBajor, who had investigated effects of dysfunction of thiol-dependent antioxidant enzyme system on the oncogene-dependent signaling in breast cancer under hypoxic conditions. The main goal of my visit was to interrogate the effect of PRDX 1 or PRDX 2 deficiency in the oncogene-dependent signaling in ER positive breast cancer cell lines under hypoxic conditions.



**Agata Zych in the tissue culture room
in the Cancer Biology and Therapeutics Laboratory,
while preparing cells to hypoxia chamber**

During my stay I had also an opportunity to participate in CBT lab meetings, where I could listen to other researchers and their projects, which enabled me to further broaden my knowledge about breast cancer.