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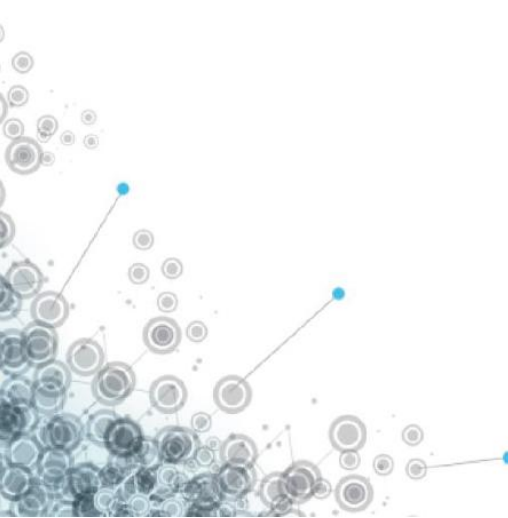
## Report on active participation in the 56th ASH Annual Meeting & Exposition, December 5-9, 2014, San Francisco, CA, USA

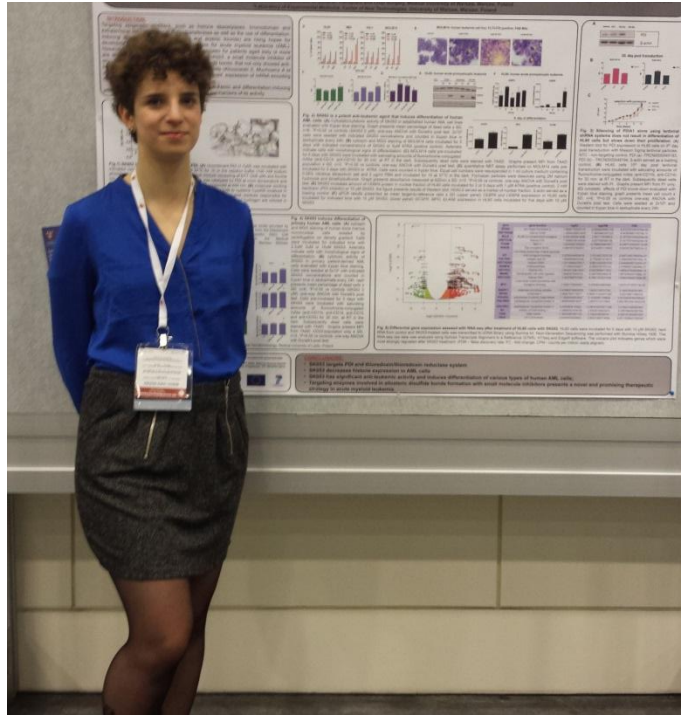
The annual meeting of the American Society of Hematology is the most important international conference regarding latest advances in hematology. Meeting attendees had the opportunity to become acquainted with nearly 5000 posters. During this meeting I had a pleasure to present the results of our research project during poster session named **Chemical Biology and Experimental Therapeutics**. Moreover, the conference was a great chance to participate in many illustrious lectures, to hear about most burning issues in hematology and to meet the abstract authors working in a cognate science fields and discuss their research.

*Title of the poster 3503: SK053, an Inhibitor of Enzymes Involved in Allosteric Disulfide Bonds Formation, Targets Expression of Histone Genes and Induces Differentiation of Human AML Cell*

*In summary, SK053, an inhibitor of allosteric disulfide bonds that targets thioredoxin/thioredoxin reductase system, PDI and decreases histone expression has significant anti-leukemic activity and induces differentiation of various types of human AML cells. Thus, targeting allosteric disulfide bonds with small molecule inhibitors presents promising therapeutic strategy in acute myeloid leukemia.*

*Authors: Justyna Chlebowska, Pawel Gaj, Piotr Stawinski, Michal Lazniewski, Malgorzata Firczuk, Karolina Furs, Radoslaw Sadowski, Szymon Klossowski, Ryszard Ostaszewski, Jakub Golab, Krzysztof Giannopoulos, Rafal Ploski and Dominika Nowis*





*Justyna Chlebowska presenting poster during poster session*