

Dr. Alice Pecoraro

Dr Alice Pecoraro is a Researcher Biologist at the Campus of Haematology “Franco e Piera Cutino” - A.O.O.R. “Villa Sofia - Cervello” in Palermo. She obtained her degree in Biological Sciences (five year programme-Biomolecular) in 2001 and subsequently her PhD in Cell Biology (Cell and developmental Biology) in 2005 at the University of Palermo. There she continued her postgraduate studies, specialising in Clinical Biochemistry in 2010.

Since 2006 she was involved in several research project focused on gene and pharmacological approaches for the treatment of sickle cell disease and beta-thalassemia developing noteworthy skill and expertise on globin gene expression, primary erythroid cultures and flow cytometric analysis. In particular her research focused on the study on hydroxyurea mechanism of action and on the response of haematopoietic precursors from patients with hemoglobinopathies to pharmacological agents inducers of fetal haemoglobin production. She cooperated to develop an ex vivo system predictive of the in vivo response of patients to hydroxyurea treatment.

She currently works also on cellular and molecular diagnosis of numerous rare genetic disease at the Laboratory of Molecular Genetics of the U.O.C. Haematology for Rare Diseases of blood and Haematopoietic Organs.

She is co-authored of several peer-reviewed papers.

