



Serena Scala

San Raffaele Telethon Institute for Gene Therapy

Serena Scala is Post-Doc in the group of Prof. Alessandro Aiuti at San Raffaele Telethon Institute for Gene Therapy (SR-TIGET) in Milan. She is PhD in Molecular Medicine. Her main interests are hematopoiesis, gene therapy and integration site-clonal tracking. Her works combine deep multi-parametric phenotyping and integration site analyses aimed at studying the biology of the hematopoietic system and at evaluating dynamics of hematopoietic reconstitution upon gene therapy. She is currently investigating the role of distinct hematopoietic/stem and progenitor subpopulations during early reconstitution after transplantation and at steady state. She recently developed with her collaborators a novel flow-cytometry technology, currently under patent filing, with a wide range of pre-clinical and clinical applications going from the characterization of hematopoietic disorders to the monitoring of hematopoietic reconstitution and stem cell maintenance in patients after transplant or gene therapy.