

Studies:

1993: MSc in Biology, University of Perugia .

1996: Specialist Diploma in “Applied Genetics”, University of Pavia.

2002: PhD in Cellular and Molecular Biology and Pathology with a thesis entitled: “Genomic asset and phenotypic characteristics of leukemic cells. A study on patients and on cell lines”.

Fellowships:

1996: Italian National Research Council Grant.

1997: Joint Grant from The Belgian Flemish Community and the Italian Ministry of Foreign Affairs.

1999: Young Researcher Grant from the University of Perugia, Italy.

2002-2006: Medical Science Research Grant from the Dept. of Clinical and Experimental Medicine, University of Perugia, Italy.

Work Experience**Abroad:**

1993: Centre for Human Genetics, University of Leuven (Belgium): cell cultures, R-banding with fluorescent dye, microphotography.

1996: Department of Medical Genetics, Haartman Institute, University of Helsinki (Finland): set-up and application of CGH technique, Comparative Genomic Hybridization.

1997: Centre for Human Genetics, University of Leuven (Belgium): Characterization of chromosome 11 deletions in hematological malignancies by fluorescence in situ hybridization.

In Italy:

1993 to date: Laboratory of Cytogenetics and Molecular Genetics, headed by Professor Cristina Mecucci, Hematology and Clinical Immunology Section, University of Perugia, Italy. Set-up and application of major standard and molecular cytogenetic techniques to study haematological malignancies.

1996: the first in Italy to use Comparative Genomic Hybridization (CGH) to investigate genomic imbalances in tumor cells.

2007 to date: Denaturing High-Performance Liquid Chromatography (DHPLC) and Sanger sequencing mutational analysis of oncogenes.

2018 to date: Next Generation targeted resequencing for genetic characterization of myeloid neoplasms and for the study of genes predisposing to haematological malignancies

Current Research Projects

She is collaborating to research projects sponsored by the Italian Cancer Association (AIRC, Associazione Italiana Ricerca sul Cancro), by the Italian National Research Council (CNR, Consiglio Nazionale delle Ricerche), by the Italian Ministry of University, Education and Research (MIUR, Ministero dell'Istruzione, Università e Ricerca scientifica), and by the Italian Leukaemia and Lymphoma Association (AIL, Associazione Italiana Leucemie).

14 Conference participation as Invited Speaker:**Consultancies:**

1996: “Combined cytogenetic/FISH approach for the detection and monitoring of trisomy 8 in AML: a pilot study of the cytogenetic committee of the GIMEMA group”

1997: “Variants and cryptic translocation in APL”. BIOMED project sponsored by the European Community.

Scientific activity is documented by **66 publications** “*in extenso*” on international indexed journals.