Antonella Minelli - Curriculum Vitae

Personal data

Date and place of birth: Roma, July 1st, 1960. Nationality: Italian
Present position: Researcher
Institution: University of Pavia, Department of Molecular Medicine , Italy.

Education and training

-January 1984: degree in Biological Science at the University of Pavia, Italy.
-1984: one-year training post-graduate at the Department of Hereditary and Human Pathology, University of Pavia, to be admitted to qualification test for practice Biologist, obtained in 1985.
-1985-1986: recipient of a fellowship by "Associazione Italiana per lo Studio delle Malformazioni" (ASM) and post-graduate degree training at the Department of Hereditary and Human Pathology.
-May 1987: postgraduate Specialization in Human Cytogenetics, University of Pavia.
-1988-1990: PhD training performed at the Department of Hereditary and Human Pathology in collaboration with the Department of Biology, University of Milano.
-June 1991: PhD in Human Pathology, University of Pavia.

Teaching experiences

From 1991 she has regularly performed teaching activity (lessons and tutorial activity), in courses of the Medical Faculty including the Schools enabled to provide degrees as Dietologist and Professional Nurse.
From 2001 to 2008 she is responsible of the Biology course in the Laurea degree in Physical Education.
From 2003 until now she is responsible of the Biology and Medical Genetics courses in the Laurea degree in Nursing and Obstetrics.
From 2007 to 2010 she was responsible of the Human Genetics + Biology course in Master's degree of Biomedical Engineering.
From 2011 until now she was responsible of the Medical Genetics and Prenatal diagnosis course in the Laurea degree in Biomedical Technician.

Scientific activity

The research activities are mainly focused on the molecular study of myeloproliferative syndromes, including the S. of Shwachman for its tendency, documented in up to one third of cases, to develop myelodysplastic syndrome and acute myeloblastic leukemia; the parental origin of acquired chromosomal anomalies, as observed in haemathological disorders, was also studied.
The current research activity are concerned on the Shwachman syndrome and their topics are:
- mutation analysis of *SBDS* gene;
- study of clonal chromosome abnormalities by genotyping approach in bone marrow and in cells separated from peripheral blood (lymphocytes, granulocytes) through polymorphic sequences distributed on chromosome 7 and 20. This part of the project aims to map the origin of chromosomal abnormality in the differentiation of hematopoietic tissue;
- study of cell biology focused on the morphology of neutrophils.

As collaborator, she obtained funds from Fondazione Cariplo for the project "Analisi genetiche e molecolari per la diagnosi e prevenzione di malattie rare: M. di Rendu-Osler-Weber (ROW) e S. di Shwachman (SS)" (Ref.2002.2095/10.8485-08 ATTI 0002-PF RICERCA SCIENTIFICA 2002).

Dr. Minelli's laboratory provide molecular analysis of SBDS gene and is registered in the Orphanet database (http://www.orpha.net).