

## CURRICULUM VITAE

**DANIELA CILLONI, MD, PhD**

**Date and place of birth:** January 26, 1970, Borgomanero (NO) , Italy

**1995: Degree :** M.D. thesis, July 10, with honours, University of Turin

**2000 Residency:** Internal Medicine, thesis November 29, 2000, University of Turin .

**2004: PhD** Pharmacology and Experimental and Clinical Therapies, thesis 1/2/2005, University of Turin

1996-1998 **Fellowship:** Fellow in the Laboratory of Cell Biology – Haematology Department, University of Parma

**2004:** Researcher of Internal Medicine, University of Turin

**2014:** Associate Professor of Hematology, University of Turin

**Actual Position:** Associate Professor of Hematology, University of Turin, Department of Clinical and Biological Sciences.

Chief of the Bone Marrow Transplant Unit at San Luigi Hospital, University of Turin

Since 1995 she is working in the clinical practice of haematology in the institution of Internal Medicine and Haematology- S. Luigi Hospital (Chief: Prof. Giuseppe Saglio) She is involved in several experimental clinical trials for the therapy of CML, Acute Leukemias and Myelodysplastic Syndromes.

Since 1993 she is working in the research field in the laboratory of Molecular Biology and Oncology , Department of Clinical and Biological Sciences- University of Turin. Chief: Prof. Giuseppe Saglio. The main fields of interest are: Studies of Minimal residual disease in acute leukemias, molecular markers for MDS, MPN.

Since 2011 she started a bone marrow transplant program including research activity on stem cell biology and stem cell transplantation

**Scientific Interests:** Her major scientific interests are :

- 1) the biology of chronic myeloproliferative disorders, myelodysplastic syndromes and acute leukemias, including the discovery of new molecular markers and mechanisms of resistance to drug.
- 2) She developed new genetic models based on *Drosophila melanogaster* transgenic for human oncogenes (i.e. BCR-ABL, JAK2V617I, CALR) for the identification of new pathways involved in myeloid disorders.
- 3) Studies of the molecular characteristics of adult hematopoietic stem cells and cord blood HSC before and after transplantation in adult patients affected by hematological malignancies.

**Clinical Activity :** She is responsible of the hematopoietic stem cell transplantation unit.

. She performs autologous and allogeneic transplantation, including sibling, MUD, Haplo and cord blood transplantation. She is responsible for the treatment of patients affected by Acute Leukemias, Myelodysplastic Syndromes and PH negative myeloproliferative disorders

### **Clinical Research**

Principal investigator of 45 Phase I-II, III and IV clinical trials on acute leukemias, myelodysplastic syndromes, PH negative myeloproliferative diseases and hematopoietic stem cells transplantation.

**Scientific Activity:** Author and co-author of 145 papers published in international journals with H index =39

### **Patents:**

- Patent TO2007A000401/1379715 del 7/6/2007 entitled: Antitumor vaccine based on WT1 protein”
- Patent: development of a diagnostic test for the quantification by *Real-time PCR* of *Menigioma 1 (MNI)* gene as molecular marker of Acute myeloid leukemia
- Patent “ assay for the detection of type 1 and 2 CALR mutations “
- **Grants for research:**
- 1997: Italian association for leukemias (AIL) : “Amifostine Pretreatment allows the use of higher doses of the Bcr\Abl specific tyrosine kinase inhibitor AG1112”

- 1999: grant young investigators form the University of Turin:”
- 2000: grant young investigators form the University of Turin
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- 2005: University of Turin (ex fondi 60%)
- 2006 University of Turin (ex fondi 60%)
- 2006: Regione Piemonte Grant for the study of EphA3 in myeloproliferative disorders
- 2007: University of Turin (ex fondi 60%) study of BCR-ABL pathway based on *Drosophila melanogaster* transgenic for human BCR-ABL
- 2007: Regione Piemonte Grant for the study of MN1 gene in acute leukemias
- University of Turin (ex fondi 60%): role of FOXO transcriptional factor in resitence to imatinib in CML
- 2007: Regione Piemonte Grant for the study: “ role of FOXO transcriptional factor in resitence to imatinib in CML”
- 2008: Regione Piemonte Grant for the study study of ROS tyrosine kinase in chronic myeloproliferative disorders
- 2009: Regione Piemonte Grant for the study: role of PR3 in inducing chemosensitivity in acute myelod leukemia
- 2009: University of Turin (ex fondi 60%) study role of FOXO transcriptional factor in resitence to imatinib in CML”
- PRIN 2008: activation of PI3K /AKT mTOR in acute myeloid leukemia
- PRIN 2010: Innvative strategies for the treatment of acute myeloid leukemia
- 2010-2015 AIRC special grant “5 per Mille:” An integrated platform for molecular studies and clinical trials in chronic myeloproliferative neoplasms

### **Teaching activity**

2004-current: Clinical Immunology – Medicine and Surgery- University of Turin

2004-2014: Internal Medicine- Medicine and Surgery

2004-2011: Molecular physiopathology I and II – Molecular Biothecnology

2004-2008 Internal Medicine schoold of stecialization on Internal Medicine

2005-2008 Molecular mechanisms of human diseases- Biothecnology applied to human and animals sanitary

2009-2011: Urgencies in Medicine- school for nurses – Cuneo

2009-2015: PhD School of experimental medicine and therapies

From 2000 until now she tutored more than 60 students for the thesis in Medicine and Surgery, Biothencology, Specialization in Internal Medicine and Haematology and PhD degree.

**Consultancy:**

2010-2013 consultant for the IRCCS center “Centro Oncologico di Referimento della Basilicata” Rionero in Vulture, PZ.

Consultant for many centre in Piedmont on Acute Leukemias and MDS

**Invited Lectures:** More than 300 invited lectures at national and international congresses and seminars, including: “European Hematology Association”, Italian Society for Experimental Haematology (SIES), Italian Society for Haematology (SIE) Giapanese Society of Haematology, German Society of Haematology, Portuguese Society of Haematology

**Scientific Societies:** member of the Italian Society of Experimental Haematology (SIES), Italian Society of Haematology (SIE), the American Society of Haematology (ASH), The American association for cancer research (AACR).

2008-2012: Member of the scientific board of the Italian Society of Experimental Haematology

**Editorial Activities:** member of the editorial board of Leukemia research and treatment, American Journal of Hematology, Annals of Leukemia Research and Journal of Clinical Medicine, Journal of clinical medicine.

Reviewer for Leukemia, Blood, Haematologica, PNAS, Br J Haematol, Leukemia and Lymphoma, BMTransplantation, American Journal of Haematology, International Journal of Cancer and many others.