



Curriculum Vitae

Personal information Rosanna Botta

Work experience

Istituto Superiore di Sanità

- Start date: 012022
- End date: Present
- Position: Senior Researcher
- Activities: Quality and Non-Clinical assessment of Clinical Trial Applications. ATMPs and Biological Medicinal Products (Reg. 536-2014).
- Country: Italy

Istituto Superiore di Sanità

- Start date: 032010
- End date: Present
- Activities: Appointment as ISS Expert for the Quality and Non-Clinical of ATMPs and Biological Medicinal Products (Reg. 536-2014, DPR 439-2001).

European Pharmacopoeia, Strasbourg, France

- Start date: 062018
- End date: Present
- Activities: Italian Delegate of CTP (Cell Therapy Products) Working Party
- Country: France

Italian Minister of Health

- Start date: 062021
- End date: Present
- Activities: GLP Inspector - OCSE area of expertise: ATMP, Pharmacodynamics, Pharmacological Toxicity, Safety
- Start date: 022015
- End date: Present
- Activities: Assessment of non-clinical studies and of the 3R compliance according to Dir. 2010/63/UE

European Medicine Agency

- Start date: 052015
- End date: Present
- Activities: National and EMA Scientific Advices, Quality and Non-Clinical assessment of Clinical Trial Applications - ATMPs and Biological Medicinal Products (Dir 2001/20/CE), GMP Inspections as ATMP Expert
- Country: Netherlands

Istituto Superiore di Sanità

- Start date: 012001
- End date: 122020
- Position: Researcher
- Activities: Quality and Non-Clinical assessment of Clinical Trial Applications. ATMPs and Biologicals(Dir 2001/20/CE); Training courses and Masters on regulatory affairs and ATMP; Execution of Projects on Stem Cells and Translational Research; Cell Therapy and Experimental Hematology; Xenograft experiments in immunodeficient mice
- Country: Italy

Fondazione San Raffaele South Park of Castel Romano 100, Roma.

- Start date: 102004
- End date: 032006
- Position: Research Coordinator
- Activities: Xenograft experiments performed in NOD-SCID mice at the SPF Facility
- Country: Italy

Thomas Jefferson University, Kimmel Cancer Institute, Philadelphia

- Start date: 102002
- End date: 032004
- Position: Research Associate
- Activities: Research projects on Normal and Neoplastic Hematopoiesis; Gene Transfer in Hematopoietic Stem Cells using Viral and Non Viral Vectors; In vivo models for Stem Cell Research: Xenograft experiments with Genetically Modified HSC; Translational Research: Study of stem cell plasticity in a model of heart infarct NOD SCID; Mouse colony generation and maintenance
- Country: United States

Education and training

Master's Degree

- Start date: 2011
- End date: 2012
- Organisation: University La Sapienza, Rome
- Activities: Regulatory affairs on Pharmaceutical products for human use: manufacturing and quality of biological medicinal products and advanced therapies, clinical trial authorization

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- Country: Italy

Research Associate

- Start date: 2002
- End date: 2004
- Organisation: Thomas Jefferson University - Kimmel Cancer Institute, Philadelphia
- Country: United States
- Activities: In vivo models for the study of normal and neoplastic hematopoiesis

Visiting Scientist

- Start date: 2000
- End date: 2002
- Organisation: Thomas Jefferson University - Kimmel Cancer Institute, Philadelphia
- Country: United States
- Activities: The role of TAL_1 gene in normal and neoplastic hematopoiesis

Scholarship on Cancer Research (Italian Association for Cancer Research)

- Start date: 1996
- End date: 1998
- Organisation: Istituto Superiore di Sanità - Hematology/Oncology Department
- Country: Italy

Certification of Biologist (DPR n.980/1982)

- Start date: 1995
- Organisation: University of Rome Tor Vergata
- Country: Italy

Internship on Clinical Hematology and Microbiology

- Start date: 1994
- End date: 1995
- Organisation: Ospedale Generale Provinciale di Rieti, Hematology and Microbiology Department
- Activities: Diagnostic methodologies in hematological, immunological and microbiological field
- Country: Italy

Degree in Biological Sciences with honors

- Start date: 1993
- Organisation: University of Rome Tor Vergata
- City: Rome, Country: Italy

Additional information

Publications

- Bellino S, La Salvia A, Cometa MF, Botta R. Cell-based medicinal products approved in the European Union: Current Evidences and Perspectives. Front Pharmacol. 2023 Jul 31;14:1200808.

- R. Botta and G. Migliaccio: Cell_based Treatments: Advanced Therapies and Transplants. Transplantation Proceedings, 2011 Jan_Feb; 43(1):338_40
- C. Carella, F.Capone, R. Botta e G.Migliaccio. European Regulations of MSC for clinical use. Regenerative Medicine and Cell Therapy. Biomedical and Health Research, Nov 2012, Vol.77
- N. Felli, L. Fontana, E. Pelosi, R. Botta, et al. (2005). MicroRNAs 221 and 222 inhibit normal erythropoiesis and erythroleukemic cell growth via Kit receptor downmodulation. PNAS Dec 13;102(50):18081_6.Epub 2005 Dec 5
- R. Botta et al, (2004). Heart Infarct in NOD_SCID mice: Therapeutic vasculogenesis by transplantation of human CD34+ cells and low dose CD34+KDR+ cells. FASEB J. Sep;18(12):1392
- E. Pelosi, M. Valtieri, S. Coppola, R. Botta, et al. (2002). Identification of the hemangioblast in postnatal life. Blood. 100 (9) 3203_3208
- Peschle C., Botta R., Muller R., Valtieri M., and Ziegler B.L. (2001) Purification and functional assay of pluripotent hematopoietic stem cells. Reviews in Clinical and Experimental Hematology. 5(1):3_14
- R.Botta, M.Valtieri, R.Muller, D.Brambilla, B.Masella, G.Marziali, A, Eramo, L.Luchetti, B.Ziegler, C.Peschle (2000). Dedifferentiation of CD34+KDR_ progenitors by FLK1 gene transfer. Suppression of clonogenic activity and rescue of engrafting capacity. Experimental Hematology 01/2000; 28(12)
- Grignani F, Valtieri M., Gabbianelli M., Gelmetti V., Botta R., Luchetti L., Masella B., Morsilli O., Pelosi E., Samoggia P., Pelicci PG., Peschle C. (2000) PML/RAR alpha fusion protein expression in normal human hematopoietic progenitors dictates myeloid commitment and the promyelocytic phenotype. Blood. 96(4): 1531_7
- Valtieri M., Tocci A., Gabbianelli M., Luchetti L., Masella B., Botta R., Testa U., Condorelli G.L., and Peschle C. (1998). Enforced TAL_1 expression stimulates primitive, erythroid and megakaryocytic progenitors but blocks the granulopoietic differentiation program. Cancer Res. 58:562_569
- Condorelli G.L., Tocci A., Botta R., Facchiano F., Testa U., Vitelli L., Valtieri M., Croce C.M., and Peschle C. (1997). Ectopic TAL_1/SCL expression in phenotypically normal or leukemic myeloid precursors: proliferative and antiapoptotic effects coupled with differentiation blockade. Mol. Cell. Biol. 17: 2954_2969
- Botta R., and Gustavino B. (1997). Relationship between chromatin bridges in anaphase and chromosomal aberrations induced by TMP + UVA (365 nm) in CHO cells. Mutat. Res. 374: 253_259
- F Capone, C. Carella, R. Botta, G. Migliaccio. Cellule staminali da cordone ombelicale. Donazione o uso proprio? Avvenire medico. Aprile 2010; 27_28
- Rosanna Botta, Maria Elena Fabucci, Giovanni Migliaccio. Staminali: mercato e sogni. Rivista sulla sicurezza sanitaria. Agosto_Ottobre 2007

Projects

- Start date: 2005
 - End date: 2006
 - Qualification: Principal Investigator
 - Project Title: Innovative strategies for regenerative therapies based on the use of stem cells.
 - Organization: Italian National Institute of Health
 - Country: Italy
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- Start date: 2003
 - End date: 2005
 - Qualification: Co-Investigator
 - Project Title: Ischemic cardiovascular and degenerative diseases. Study of mechanisms of differentiation and therapeutic application of post-natal hematopoietic stem cells. Organization: National Institute of Health
 - Organization: Italian National Institute of Health
 - Country: Italy
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- Start date: 2003
 - End date: 2004
 - Qualification: Principal Investigator
 - Project Title: In vivo Repopulating Assays for Hematopoietic Stem Cells.
 - Organization: National Institute of Health
 - Country: Italy
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- Start date: 1999
 - End date: 2000
 - Qualification: Principal Investigator
 - Project Title: TAL-1 induced Leukemogenesis: Identification and Mechanism of Action of the Target Genes of TAL_1 ectopically expressed.
 - Organization: Italian Foundation for Cancer Research FIRC.
 - Country: Italy
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- Start date: 1996
 - End date: 1998
 - Qualification: Principal Investigator
 - Project Title: Gene transfer of hematopoietic stem cells in oncology
 - Organization: Italian Association for Cancer Research AIRC.
 - Country: Italy

Memberships

Other Relevant Information