

Curriculum Vitae

MARTA BAIOCCHI

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Work address: Department of Oncology and Molecular Medicine at Istituto Superiore di Sanità. Viale Regina Elena 199, Rome, 00161, Italy.

Personal Data:

Place of birth: Rome, Italy

Nationality: Italian

Education:

1987: Laurea in Biological Sciences at University of Rome “La Sapienza”, Italy. Final vote, 110 cum laude.

Scientific activity:

2000-present: Senior Research Scientist, Department of Oncology and Molecular Medicine at Istituto Superiore di Sanità, Rome, Italy. *Working on the isolation, growth and characterization of cancer stem cells. Organization and management of a colorectal and lung cancer stem cell biobank. Organization and management of an immunodeficient (NSG) mice facility.*

2000-1999: Research Scientist, Dept. of Histology and Medical Embryology at University of Rome “La Sapienza”, Rome. *Projects on the identification and analysis of the development of adult multitissue stem cells (mesoangioblasts, mesenchymal stem cells).*

1999-1996: Senior Researcher, Department of Drug Discovery at Istituto di Ricerca Cesare Serono, Ardea (RM), Italy. *Discovery and development of hematopoietic and inflammatory cytokines and growth factors.*

1995-1994: Research Scientist, Department of Virology, Unit of Studies on HIV at Istituto Superiore di Sanità, Rome, Italy. *Mechanisms of HIV entry into hematopoietic cells; HIV cell therapy by generation of HIV recombinant, interfering particles.*

1993-1991: Post-doctoral Research Fellow, Laboratory of Hematopoietic Growth Factors, New York Blood Center, New York, NY, USA. *Identification and purification of hematopoietic stem cell subpopulations; Effects of hematopoietic growth factors on stem cell self-renewal.*

1990-1987: Post-doctoral Research Fellow, Laboratory of Cell Biology, Istituto Superiore di Sanità, Rome, Italy. *Studies on mechanisms of virus entry into target cells; Interactions of bacterial toxins with the cell membrane; Generation and evaluation of adjuvant efficacy of liposome-conjugated bacterial toxins.*

Institutional activity:

2004-present: Scientific advisor for the Ministry of Health. Field of intervention: Release of the authorization to animal experimentation.

2015-present: Scientific member of the OPBA (Organismo Per il Benessere Animale, Organization for animal wellness) of the ISS, appointed by the President of the Istituto Superiore di Sanità.

June 2014- January 2017: Technical Director of the cancer stem cell biobank at the ISS, appointed by the Director of the Department of EOMM.

Teaching:

- Syllabus Course (Joint Program of Istituto Superiore di Sanità, Italy - George Mason University, VA, USA): “Bench to Bedside Cancer Research”. “Confocal Microscopy”. 2008-2011.
- ECM (Continued Medicine Education Programs) courses about the protection of animals involved in scientific research, according to the requirement of Italian Law: “DL 26/2014 sulla tutela degli animali utilizzati ai fini scientifici: ruolo e competenze

del Responsabile del Progetto di Ricerca e Valutazione Tecnico-Scientifica dei progetti”. Istituto Superiore di Sanità, Italy. Ten editions from 2015 to the present.

- High School training courses: “Animal Experimentation in cancer research.” Istituto Superiore di Sanità. Four editions from 2016 to the present.
- Tutor for University Degrees and Doctorates internship and thesis, University La Sapienza of Roma, from 2009.

Writing:

- “Cento micron”, novel. Minimum fax, 2012
- “In utero”, pop science. Sonzogno, 2018

Fields of interest:

My scientific expertise centers to the cell biology of tissue development, in particular to the development and differentiation of normal and cancer stem cells. I have a deep knowledge of the most recent fields of biological research, and a particularly strong expertise in cellular and animal methods in normal and cancer stem cells. I have an experience in institutional work, deriving from my several-year work as a scientific advisor and advisor team coordinator for the release of national authorizations to animal experimentation in hematology and oncology, under the requirements of Italian Laws. On the side of my scientific career, I am a fiction and non-fiction book writer.