

NAME: BERTONI LAURA

POSITION TITLE: associate professor, SSD BIO/16- Human Anatomy, Department of Surgery, Medicine, Dentistry and Morphological Sciences of the University of Modena and Reggio Emilia, Modena, Italy

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Modena, Modena, Italy	Master of Science	10/12/1996	Biological Sciences

Positions

ACTIVITY/OCCUPATION	START DATE (mm/yy)	END DATE (mm/yy)	FIELD OF STUDY	INSTITUTION/ COMPANY	SUPERVISOR / EMPLOYER
Contracts for scientific research	1998	2002	Dermatology	Department of Dermatology, Policlinico of Modena	Prof. Stefania Seidenari
Contracts for scientific research	2002	2005	Histology and Human Anatomy	University of Modena and Reggio Emilia (Italy)	Prof. Gastone Marotti
Researcher	2006	2019	Histology and Human Anatomy	University of Modena and Reggio Emilia (Italy)	Prof. Anto de Pol

Contribution to Science, Academic and and Professional Honors

Total number of publications: 73 (H-index: 26 by Scopus).

I have a 23-year research experience. The research activity carried out in the Laboratory of Dermatology mostly concerned the evaluation of skin biophysical parameters in new-borns, investigations on contact sensitization and atopic dermatitis. In the Department of Anatomy and Histology, the research activity concerned the interaction between connective tissues and applied physical energies, in particular pulsed electromagnetic fields, and the static and dynamic osteogenesis during bone histogenesis and bone repair. Moreover, investigations are performed on the effect of Ferutinin on bone metabolism in preventing and treating osteoporosis induced by estrogen deficiency. From 2012 during the academic training at the University of Modena and Reggio Emilia (Italy), I have been focused on stem cell differentiation in vitro, with particular interest to the characterization of stem cells isolated from human dental pulp, bone marrow and amniotic fluid and to the stem cells/scaffolds interactions. I acquired skills on the use of stem cells combined with biocompatible scaffold (fibroin, collagen, bioglass, and titanium surfaces) for the histointegration in animal models of tissue injury. Actually, my researches are focused on the role of human dental pulp stem cells on immune-mediated diseases treatment with the use of biocompatible scaffold.

Supervisor of 25 students for their Master Degree thesis in Pharmaceutical and Chemical Technologies.

Modena, 10 September 2025

Laura Bertoni