

Lia Rimondini

Curriculum vitae

PERSONAL DATA

Birth: Bologna, 14th June 1962

Address: Bologna

BIO AND EDUCATION

She got High School Leaving Qualification in Scientific Studies, Degree in Dentistry at Università di Bologna and Specialization Degree in Orthodontics at Università di Napoli Federico II.

She was Fellow Researcher at Istituto Ortopedico Rizzoli (Bologna) and at University College (Londra).

She was the Leader of R&D projects supported by the Italian Council of Research (CNR) for the development of special materials for advanced applications. She has led National and International Projects for Biomaterials development.

UNIVERSITY CAREER

2005-	Associate Professor, Università del Piemonte Orientale
2001-2003	Lecturer, Università dell'Insubria
1996-2000	Lecturer, Università di Milano
1991-1993	Lecturer, Università di Bologna

UNIVERSITY POSITIONS

2013-	Member of Senate, Università del Piemonte Orientale
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SCIENTIFIC POSITIONS

2015-	Editor in Chief of the Journal of Applied Biomaterials and Functional Material
2013-	President of Italian Society for Biomaterials
2013-2015	Associate Editor of the Journal of Applied Biomaterials and Functional

	Material
2006-2012	Associate Editor of the Journal of Applied Biomaterials and Biomechanics

MAIN FIELDS OF INTEREST

1. Biomaterials
2. Dental materials
3. Biofilm
4. Osteointegration
5. Tissue regeneration

CURRENT ISSUES OF RESEARCH

1. 3D cells c-ocultures development for the preclinical evaluation of Medical Devices

The ambition is the development and the validation of innovative 3D in-vitro organotypic models of gingiva, bone and gingiva, and oral mucosa for pre-clinical safety and efficacy assessment of Medical Devices.

2. Surface modifications to reduce or address biofilm formations and prevent medical devices infections.

Biofilm formation is closely related to chemical, physical-chemical and morphological properties of the surfaces. The ambition is the optimization of surface properties to inhibit or address the biofilm formation onto biomaterials.

3. Optimization of materials for oral tissues regeneration.

Healing process and regeneration of oral tissues are related to the presence of both scaffolds and biochemical signaling.

The present task is aimed to study technologies for gingiva, periodontal ligament, root cementum, bone and vascular tissue regeneration.

TOP FIVE PAPERS

Cochis A, Azzimonti B, Della Valle C, De Giglio E, Bloise N, Visai L, Cometa S, Rimondini L, Chiesa R. The effect of silver or gallium doped titanium against the multidrug resistant *Acinetobacter baumannii*. *Biomaterials*. 2016 Feb;80:80-95

Giavaresi G, Ambrosio L, Battiston GA, Casellato U, Gerbasi R, Finia M, Aldini NN, Martini L, Rimondini L, Giardino R. Histomorphometric, ultrastructural and microhardness evaluation of the osseointegration of a nanostructured titanium oxide coating by metal-organic chemical vapour deposition: an in vivo study. *Biomaterials*. 2004 Nov;25(25):5583-91.

Giavaresi G, Fini M, Cigada A, Chiesa R, Rondelli G, Rimondini L, Torricelli P, Aldini NN, Giardino R. Mechanical and histomorphometric evaluations of titanium implants with different surface treatments inserted in sheep cortical bone. *Biomaterials*. 2003 Apr;24(9):1583-94.

Rimondini L, Cerroni L, Carrassi A, Torricelli P. Bacterial colonization of zirconia ceramic surfaces: an in vitro and in vivo study. *Int J Oral Maxillofac Implants*. 2002 Nov-Dec;17(6):793-8.

Rimondini L, Farè S, Brambilla E, Felloni A, Consonni C, Brossa F, Carrassi A. The effect of surface roughness on early in vivo plaque colonization on titanium. *J Periodontol*. 1997 Jun;68(6):556-62.

AWARDS

“Lorenzo il Magnifico” SIdP Award 1995

FURTHER INFORMATION

President of the Dental Register Bologna (2000-2002)

Official consultant to develop Continue Education in Medicine in Regione Emilia-Romagna