

Curriculum vitae of Lia Rimondini



Date of birth: 14-06-1962

Address: Via Albertazzi 20/2 – 40137 – Bologna – Italy

Email: lia.rimondini@med.uniupo.it

Position: Università del Piemonte Orientale – **Full Professor of Applied Medical Sciences and Technologies**

Highlights

Expertise in R&D of biomaterials and medical devices for regenerative medicine and anti-infective materials integrated with knowledge in regulatory aspects, and clinical practice. Integrated and holistic expertise in the whole chain for medical devices. Wide international networking knowledge and ability

Education and training

1995 Qualification as ISO 9000 Auditor for Health services

1993 Master in Orthodontics, Università di Napoli Federico II, Italy

1986 Degree in Dentistry, Università di Bologna, Italy

Research and Professional experience

2018-to Present: **Full Professor of Applied Medical Sciences and Technologies**, Università del Piemonte Orientale

2005-2018: Associate Professor of Dentistry, Università del Piemonte Orientale

2015 – Visiting professor At University of Goce Delcev – Stip- Rep of Macedonia

2003-2005 : University Lecturer, Dept. of Dentistry, University of Bologna

2001-2003: University Lecturer, Dept. of Dentistry, Università dell'Insubria (Varese- Italy)

2001-2006: Visiting Researcher – Department of Pre-clinical studies - Istituti Ortopedici Rizzoli; Bologna -

1997: Visiting researcher at Hard Tissues Research Unit- University College of London 1996:

Research fellow, Istituto S. Paolo (Univ. Milan)

1994-2000: University Lecturer, Dept. of Dentistry, Università di Milano

1992-93: University Lecturer, Dept. of Dentistry, University of Bologna

1987-present: Dental practice

Award and honour

2014-2017 President of the Italian Society for Biomaterials

1995 – Award “Lorenzo il Magnifico” Società Italiana di Parodontologia

Scientific Publications and Congress or other Oral Communications:

Total number of publications: 188 ; Scopus h-index 369, Google Scholar H-index 49; she is Included in the top Italian scientists list . See Via-Academy:

http://www.topitalianscientists.org/top_italian_scientists.aspx)

Patents

Rimondini et al. (2019) Hydrogel for the use in the treatment of periodontitis PCT/IB2019/057890

Ferraris S, Spriano S, Cochis A, Rimondini L, Varesano A, Vineis C, Guarino V, Ambrosio L. (2015) Superfici di titanio modificate mediante topografia alla nanoscala e rivestimento nano strutturato a base di cheratina, destinate al colletto di impianti dentali. N. 102015000070808

Franschini F, Iriti M, Maestri P, Rimondini L. (2014) Composition comprising rutin useful for treatment of tumor resistant to chemotherapy WO2014IB63187 2014071

De Nardo L, Altomare L, Cigada A, Chiesa R, Varoni EM (2014) Process for manufacturing self-standing films made of natural or synthetic macromolecules characterized by controlled porosity micropattern. EP2845612

Gazzaniga C, Roveri N, Rimondini L, Palazzo B, Iafisco M, Gualandi P. Biologically active nanoparticles of a carbonate-substituted hydroxyapatite, process for their preparation and compositions incorporating the same WO2007137606A1 Battiston G, Gerbasi R, Rimondini L, Ambrosio L, Rondelli G (2001). Procedimento di trattamento della superficie di un impianto dentale, in particolare in titanio e impianto ottenuto con il procedimento. VE2001A000051/2001

Ambrosio L, De Sanctis R, Nicolais L, Rimondini L. (2001) Impianto Dentale in materiale Composito. RM2001A00705/2001

Grants as principal investigator or coordinator

2020-2023 H2020 ExcellMater “Twinning to excel materials engineering for medical devices” Total budget EUROS 1,000,000 Project n.952033

2020-2023 H2020 MSCA ITN PREMUIROSA “Precision medicine for musculoskeletal regeneration, prosthetics and active ageing” Total budget EUROS 3,370,000 Project n.860462

2019-2022 H2020 RIA RESTORE “Used centered 3D smart nanobiomaterials-based scaffold for chondral repair Total budget EUROS 5,500,000 Project n.814558

2017-2019 ERA.Net – “Engineering and functionalization of delivery system with Pelargonium sidoides biologically active substance on periodontal inflamed surface area” Total budget EUROS 590,000

2015-2016 Comunità Novarese “The effect of obesity on periodontal health in children and adolescents”

2010-2013- Executive Programme Italy-Japan- Sector: Nanosciences, Advanced materials (NSAM). “Preparation and properties of drug-loaded nano-slurry of hydroxyapatite for biomedical applications” **2009-2011-** Regione Piemonte - Health Finalized Research. “Nanostructured polymeric matrices for osteointegration and wounds dressing

2008-2010- Regione Piemonte - Health Finalized Research “New formulations for fighting Candida albicans infections

2008-2010- Regione Piemonte - Health Finalized Research “Study of blood and salivary biomarkers for oral cancer diagnosis”

2007-2009 - Regione Piemonte - Health Finalized Research. “Alcohol induced osteopenia and its effect on osteointegration”

1998-2001 - CNR - Finalized project – “ Surface treatments for composite osteointegrable implants” (99.01857.PF34 and no. 97.00941.PF34)

1998-1999 - CNR - Finalized project – “Development of oral implants with antibacterial properties”

Grants as component of the research group:

Cariplo Foundation (grant 2008–2459) Nano- Micro-Structured Polymeric Matrices for Engineered Cardiac Proto- Tissues

Associazione Italiana per la Ricerca sul Cancro (AIRC) 2013-1015 Development of engineered magnetic nanoparticles for cancer therapy

Compagnia S. Paolo: 2013-2014 Development of Engineered Magnetic Nanoparticles for Targeted Therapies Various grants from Companies including Medacta (CH), CeramTec (GER), Coswell (IT), Mil-Mil (IT), Ghimas (IT) for industrial research development.

Italian Representative in EU COST actions:

- EU COST Action: Anti-Microbial Coating Innovations to prevent infectious diseases (AMICI)
- EU COST Action MP 1005 Design, processing, characterization, modelling and applications to stem cells regenerative orthopaedic and dental medicine (NAMABIO)
- EU Cost Action MP 1301 New generation biomimetic and customized implants for bone engineering (NEWGEN)
- EU COST Action MP1206 Electrospun nano-fibres for bio inspired composite materials and innovative industrial applications
- EU COST Action TD1003 Bio-inspired nanotechnologies: from concepts to applications

Editorial reviewing activity

Frontiers in Bioengineering and Biotechnologies (Research topic Editor) (ISI)

Materials (Guest Editor) (ISI)

Biomedicine (Guest Editor) (ISI)

Journal of Applied Biomaterials and Functional Materials (Editor in Chief) (ISI)

Journal of Applied Biomaterials and Biomechanics (Associate Editor) (ISI)

International Scholarly Research Notices (Editor) (ISI)

Mediterranean Journal of Biosciences (Editorial Board)

Bentham Science Publisher – Ebook (Editor: Surface tailoring of inorganic materials for biomedical application)

Main research interests:

Regenerative medicine, osteointegration, biofilm related infection, development of multifunctional biomaterials

La sottoscritta Lia Rimondini, autorizza la pubblicazione del presente documenti.