

PERSONAL INFORMATION

Alessandra Marconi



MSc in Biology, Spec in Clinical Pathology

-  DermoLab
Surgical, Medical, Dental and Morphological Sciences Department
University of Modena and Reggio Emilia (UNIMORE)
Via Del pozzo 71, 41124 Modena, Italy
-  +39 059 4222931
-  alessandra.marconi@unimore.it
-  <https://orcid.org/0000-0002-5667-5766>

Sex F | Date of birth 01/06/1964 | Nationality Italian

POSITION

Associate Professor in Medical and Biotechnology Laboratory Techniques (SSD MEDS-26/A)

- Faculty member in PhD Program in Molecular and Regenerative Medicine (XXVII – XXXIV cycles; XXXIX Cycle-today)
- Member of Master’s Degree Council in Medical Biotechnologies. Teaching: Clinical applications of medical biotechnology (2015-today)
- Member of Bachelor’s Degree Council in Biomedical Laboratory Techniques. Teaching: Laboratory medicine 3 (2020-today) and Preliminary Sciences 2 (2024-today)

2024 - present

Scientific Director of the Advanced Biomedical Research Laboratories (RBA-Labs)

A network of laboratories at the CHIMOMO Department, UNIMORE

2020 - present

Director of DermoLAB

Center of Dermatological Research, UNIMORE

2021 - present

Co-founder of the UNIMORE Start-up, Sintica Biotech srls

Therapeutic focus: oncological diseases

2008 - present

Co-founder of the UNIMORE Start-up, PinCell srl

Now an Innovative SME Biotech based in Milan, Italy.
Therapeutic focus: rare inflammatory dermatological diseases

WORK EXPERIENCE

2011 – 2021

Assistant Professor in Medical and Biotechnology Laboratory Techniques (SSD MEDS-26/A)

UNIMORE, Modena, Italy

2005 - 2011

Clinical Biologist at the Laboratory of Cutaneous Immunopathology

University-Hospital Polyclinic of Modena, Italy
▪ Diagnostic services for the Dermatological diseases

1995 - 2011

Graduated research assistant

Laboratory of Cutaneous Biology, UNIMORE, Modena, Italy

1994 - 1995

Consultant at Laboratory of Cell and Molecular Biology

Istituto Dermatologico dell’Immacolata-IRCCS, Roma, Italy

1994

Visiting scientist

Institute of Genetics, Biochemistry and Evolutionary, National Research Council (CNR), Pavia, Italy

1993 - 1995 **Fellowship of National Health Institute (ISS) on AIDS,**
 UNIMORE, Modena, Italy
 Project title: Epidermal Langerhans cells in HIV-1 infection: DNA and HIV-1 RNA search and experimental in vitro infection

1993 - 1991 **Fellowship of National Research Council (CNR) on Biotechnologies and Bioinstrumentations**
 UNIMORE, Modena, Italy
 Project Title: Mammalian cell immortalisation and culture technologies

EDUCATION AND TRAINING

- 2001 **Specialist in Clinical Pathology (cum laude)**
 UNIMORE, Modena, Italy
- 1989 **Italian Board of Biologists**
 UNIMORE, Modena, Italy
- 1988 **M.Sc. in Biology (cum laude)**
 UNIMORE, Modena, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	C1
	Replace with name of language certificate. Enter level if known.				
German	A2	A2	A2	A2	A2
	Replace with name of language certificate. Enter level if known.				

Communication skills

- Relationships with students as teacher in the degree courses of UNIMORE
- Thesis supervisor and internship coordinator
- Collaborator in international research teams
- Invited speaker at various conferences and seminars
- Coordinator of weekly scientific and organizational meetings
- Communication skills have also been acquired through voluntary activities as educator of adolescent children, in accompanying people with disabilities and in helping the integration of immigrant families

Organisational / managerial skills

- Laboratory manager of DermoLAB and Scientific director of a network of laboratories (RBA-Labs)
- Manager of several national and international research projects
- Coordinator and tutor of biotechnologist students and doctoral students
- Voluntary activities in the organization of summer camps for young people and kids

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving

Independent	Independent	Independent	Independent	independent
Good command of office suite, Photoshop, Jmage64				

Driving licence B

ADDITIONAL INFORMATION

Honours and awards

- 2009 Budapest, Hungary - Poster Prize ESDR 2009, 39° Annual ESDR Meeting, The European Society for Dermatological Research
- 2006 Luton, UK - Best publication of the year 2006 on the International Journal of Cosmetic Science. Title: Expression and function of neurotrophin and their receptors in human melanocytes
- 2003 Snowmass, USA - Farber Award Recipient, Outstanding young researcher in skin biology. The Montagna Symposium on the Biology of the Skin
- 2001 Tokyo, Japan - Japanese Society for Investigative Dermatology, Fellowship Shiseido Award Outstanding capability for applied research projects.
- 1999 Chicago, USA - A.M. Kligman Travel Fellowship, 60° Society of Investigative Dermatology Meeting. The European Society for Dermatological Research,
- 1999 Pianezza (TO), Italy - The UCB Institute of Allergy Travel grant, 29 Annual ESDR Meeting. Italian Section
- 1998 Cologne, Germany - Hermal Travel Fellowship, Annual International Investigative Dermatology Meeting, The European Society for Dermatological Research

Patents

WO 2021/205001 Peptides and uses thereof
 WO 2010/066914 Remedies for pemphigus containing anti Fas ligand antibodies (human Ab)
 WO 2007/022999 Polymer conjugates of K252 and derivatives of

Editorial activities

2022 - Present Member of Editorial Board in Dermatology for *Frontiers in Medicine*
 2021 - Present Member of Editorial Board for *International Journal of Molecular Science*
 2011 - Present Referee for: *Experimental Dermatology, Journal of Investigative Dermatology, Cancers, Cancer Investigation, Cell and Tissue research, Journal of Cellular Physiology, ALTEX Alternatives to Animals Experimentation, Life*
 2016 - 2018 Review Editor in Dermatology for *Frontiers in Medicine*
 2009 - 2011 Member of Editorial Board for *Experimental Dermatology*
 2004 - 2006 Abstract Reviewer for:

- 34° European Society for Dermatological Research Annual Meeting, Paris, France,
- 35° European Society for Dermatological Research Annual Meeting, Tubingen, Germany
- 36° European Society for Dermatological Research Annual Meeting, Wien, Austria

Research projects with competitive calls

- 2024-2025 Departmental FAR 2024_ Project title: Role of IL-13Ra2 receptor in human keratinocytes. Role: Collaborator
- 2023-2025 Departmental FAR 2023. Project title: The ionic channel TPC2 and the tumor microenvironment in melanoma progression: new therapeutic target? Role: Collaborator
- 2020-2025 MFAG2019 di Elisabetta Palazzo – AIRC Foundation. Titolo del Progetto: Neurotrophin network as a novel target for the treatment of squamous cell carcinoma. Collaborator and Tutor of Elisabetta Palazzo
- 2021-2022 Departmental FAR 2021. Project title: Neurotrophin signaling in epithelial to mesenchymal transition as a potential target in melanoma therapy. Role: Principal Investigator
- 2020-2022: Collective Prevention and Public Health Service - Regione Emilia Romagna. Research projects on alternative methods to animal use. Project Title: New platform for irritation and inflammation studies: bioprinting, skin and inflammation. Role: Principal Investigator for UNIMORE unit
- 2016-2019: AIRC IG 2015. Project Title: Aggressiveness and response to therapy of melanoma

- subtypes selected by reflectance confocal microscopy. Role: Collaborator
- 2016-2017: Vignola Bank Foundation, Call 2016 for the Scientific and Technological Research. Project Title: Development of a new targeted drug able of inducing cell death in melanoma in combination with chemotherapy. Role: Collaborator
- 2012-2013: NPF (National Psoriasis Foundation/USA) 2011. Project Title: Molecular characterization of keratinocyte stem cells and transit amplifying cells in psoriasis. Role: Collaborator
- 2010-2012: Foundation Cassa di Risparmio di Modena, Call for international research projects 2009-2010. Project Title: Keratinocyte stem cells and skin carcinogenesis: the role of survivin. Role: Collaborator
- 2008-2010: PRIN 2007. Project Title: Study of etiopatogenetic mechanisms in pemphigus. Role: Collaborator
- 2003-2005: PRIN 2003. Project Title: Genetic, epigenetic and functional analysis of keratinocytes in psoriasis. Role: Collaborator
- 2002-2006: FIRB autonomous projects 2001. Project Title: Carboxyfullerenes in the prevention of damage by ultraviolet radiation:: analysis of the mechanisms of action in vitro and in vivo in relation to apoptosis and the formation of skin cancer. Role: Collaborator
- 2001-2002: JSID (The Japanese Society for Investigative Dermatology) Fellowship Shiseido Research Grant. Project Title: The significance of p75 neurotrophin receptor expression in human keratinocytes: a role in UVB-induced apoptosis. Role: Principal Investigator
- 1995-1998: PNR 1995 on Neurobiological Systems: Technologies of the signal transduction. Project Title: Molecular aspects of the production of factors involved in the growth, maturation and regeneration of the nervous system, their interaction with specific receptors and the mechanism of induction of trophic effects. Role: Collaborator
- 1993 -1995: V Research Project AIDS 1992, Ministry of Health - National Institute of Health. Project Title: Epidermal Langerhans cells in HIV-1 infection: HIV-1 DNA and RNA search and experimental in vitro infection. Role. Collaborator

Organization and Participation as speaker at Scientific Conferences

- 2022 Amsterdam, Netherlands. Speaker at the 51st Annual European Society for Dermatological Research (ESDR) Meeting. Section: Poster Walk 11/Stem Cells and Skin Appendages. Title of the presentation: Isolation of an 'early' transit amplifying keratinocyte population in interfollicular human epidermis: a role for CD271 receptor.
- 2018 Modena, Italy. Invited Speaker at the 6th Edition of the European Biotech Week "It Can Be Done". Public event on translational research. Section: "Biotechnologies for Health: 4 Case Histories of University Spin-Offs/Start-Ups in the Field of Health Biotechnologies." Title of the presentation: Biotechnologies for Health: Case History of the PinCell University Start-Up.
- 2018 Modena, Italy. Invited Speaker and Moderator in the Working Groups at the conference titled "Potentials and Innovation in Biomedical Research: Interdisciplinary Approaches," organized by the University of Modena and Reggio Emilia, in the session "Materials and Devices for Medicine." Title of the presentation: From Cells to 'Homunculi': Organ-on-Chips and Microfluidic Systems to Recapitulate Human Pathophysiology.
- 2016 Munchen, Germany. Speaker at the 46° Annual European Society for Dermatological Research (ESDR) meeting. Title of the presentation: CD271 regulates human keratinocyte functions through Phosphodiesterase 4 binding.
- 2014 Copenhagen, Denmark. Invited speaker at the 44° Annual European Society for Dermatological Research (ESDR) meeting. Title of the presentation: Neurotrophins and melanocytes
- 2013 Edinburgh, Scotland. Invited speaker at the 6° International Investigative Dermatology (IID) Meeting. Title of the presentation: Neurotrophins stimulate fibroblast differentiation, migration and tensile strength.
- 2012 Venezia, Italy. Invited speaker at 42° Annual European Society for Dermatological Research (ESDR) meeting, Title of the presentation: Recent advances in neurotrophin receptor functions in keratinocytes
- 2012 Venezia, Italy. Member of the Local Organizing Committee, 42° Annual European Society for Dermatological Research (ESDR) meeting
- 2009 Montreal, Canada. Speaker at the 69° Annual Society for Investigative Dermatology (SID) meeting. Title of the presentation in Plenary oral session: Endogenous survivin modulates survival and proliferation in normal human
- 2007 Roma, Italy. Invited speaker at the 82° National Congress SIDeMaST. Title of the presentation: The programmed cell death of the keratinocyte

- 2006 Roma, Italy. Invited speaker at the event organized by Istituto Dermatologico dell'Immacolata IRCCS of Roma as part of the National Programme for the Continuing Training of Health Professionals. Title of the presentation: Three Models of Cutaneous Apoptosis.
- 2006 Torino, Italy. Speaker at the 81° National Congress SIDEmaST. Title of the presentation: Imiquimod modulates the expression of survivin, bcl-2 and Ki67
- 2003 Roma, Italy. Speaker at the 78° National Congress of the Italian Society of the Dermatology and Venereology (SIDEV). Title of the presentation: The β 1-integrin signaling block induces anoikis in stem keratinocytes
- 2002 Paris, France. Speaker at the 20° World Congress of Dermatology. Title of the presentation: The neurotrophin network in normal human keratinocytes
- 2001 Roma, Italy. Speaker at the 1° Joint National Congress of the ADOI and Dermatology and Venereology Society (ADOI-SIDEV). Title of the presentation: The epidermis stem cells are protected from apoptosis through signal transduction of β 1-integrin and bcl-2
- 2001 Stockholm, Sweden. Speaker at the 31° Annual European Society for Dermatological Research (ESDR) meeting. Title of the presentation: The anti-apoptotic bcl-2 proteins are highest and caspase are not activated in basal keratinocyte expressing high levels of p63.
- 2000 Bologna, Italy. Speaker at the 75° National Congress of the Italian Society of the Dermatology and Venereology (SIDEV). Title of the presentation: The family of neurotrophins in human keratinocytes.
- 1999 Modena, Italy. Speaker at the National Italian Association of Cell Cultures (AICC) Meeting. Title of the presentation: Keratinocytes that adhere most rapidly to type IV collagen are protected from apoptosis.
- 1999 Montpellier, France. Speaker at the 29° Annual European Society for Dermatological Research (ESDR) meeting. Title of the presentation: The neurotrophin family in human keratinocytes
- 1997 Roma, Italy. Speaker at the 27° Annual European Society for Dermatological Research (ESDR) meeting. Title of the presentation in plenary session: Human keratinocytes overexpressing nerve growth factor are more resistant to spontaneous and UV-induced apoptosis.
- 1996 Chieti, Italy. Speaker at the 3° Meeting of the Italian Experimental Research Group in Dermatology (SIDEV-GIRSDE). Title of the presentation: Ultraviolet B radiations down regulate nerve growth factor mRNA and release in human keratinocytes.
- 1994 Modena, Italy. Speaker at the UNIMORE Workshop of "Cellular biology and immunology of the skin". Title of the presentation: Methods of enrichment of normal human Langerhans cells
- 1993 Modena, Italy. Member of the Organizing Committee of the UNIMORE Workshop "Cellular biology and immunology of the skin"
- 1993 Modena, Italy. Speaker at the UNIMORE Workshop of "Cellular biology and immunology of the skin". Title of the presentation: Morphological, immunocytochemical, biochemical analysis of keratinocytes in culture.
- 1991 Modena, Italy. Speaker at the National Conference of the Italian Association of Cell Cultures (AICC). Title of the presentation: Ultrastructural study of expression and modulation of β 1- and β 4-integrin on normal human keratinocytes in vitro.

Publications	Author of 65 original articles on international journals. Author of 7 chapters of books and more than 100 abstracts presented at national and international congresses. h-index 29 (Web of Science); Sum of Times Cited (without self-citations) 2.439 h-index 31 (Scopus); Sum of Times Cited (without self-citations) 2.813
Professional Memberships	Italian Society of in vitro Toxicology (CELLTOX) European Society for Dermatological Research (ESDR) SIRTEPS, Italian Society for Translational Research and Health Professions

The undersigned declares that what is indicated in this curriculum is true, pursuant to art.46 and 47 D.P.R. 445/2000 and expresses its consent so that the personal data provided can be processed in compliance with Legislative Decree n.196/03 as amended by Legislative Decree no. 101/2018 and EU Regulation 2016/679, for the fulfillment related to this procedure.

Modena, April 2, 2025

Signature
Prof. Alessandra Marconi

