

Barbara Azzimonti
Curriculum Vitae

PERSONAL DATA

Born and residing in Novara

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CURRICULUM VITAE ET STUDIORUM

2024: International School on the Microbiota in Digestive Diseases, European Society of Neurogastroenterology and Motility

2018: Advanced Course in Food Science and Applied Nutrition, University of Milan (UniMi)

2008: Tenure as University Researcher in MEDS-03/A (Microbiology and Clinical Microbiology), University of Eastern Piedmont (UPO), Novara

2004: Appointment as University Researcher in MEDS-03/A, UPO

2003: Specialization in Clinical Pathology, UPO

1998: Licensed Biologist, UniMi

1996: MSc in Biological Sciences, UniMi

High school diploma in Scientific Studies, Liceo Scientifico A. Antonelli, Novara

ACADEMIC CAREER

Since 2011: Head of the Applied Microbiology Laboratory, Center for Autoimmune and Allergic Diseases (CAAD), Dept. of Health Sciences (DiSS), UPO

Since 2004: Tenured University Researcher, MEDS-03/A, UPO, Novara

2004: Fixed-term Research Contract, Molecular Virology Lab (Prof. Gariglio), UPO

2001–2002: FIRC Fellow, Visiting Scientist, Tumor Virology Lab, DKFZ, Heidelberg, Germany (Prof. Tommasino)

1999–2003: Specialist Fellow, UPO

1997–1998: Research Fellow, Italian League Against Cancer (LILT), UPO

1996–2011: Researcher, Molecular Virology Lab (Prof. Gariglio), UPO

1996: Graduate Intern, Institute of General Pathology (Prof. Cairo), UniMi

1994–1996: Thesis Internship, Institute of General Pathology (Prof. Cairo), UniMi

ACADEMIC ROLES

From A.Y. 2024–2025: Delegate for Orientation and Tutoring, Dept. of Health Sciences, UPO

From A.Y. 2022–2023: Vice President, BSc in Biotechnology, UPO

From A.Y. 2020–2021: Secretary, Board of the BSc in Biotechnology, UPO

From A.Y. 2019–2020: Member, PhD Board in “Food Health and Longevity”, UPO

2013–2018: Member, PhD Board in “Medical Sciences and Biotechnologies”, UPO

From A.Y. 2023–2024: Board Member, Specialization School in Oral Surgery

From A.Y. 2022–2023: Board Member, Specialization School in Dermatology and Venereology

From A.Y. 2019–2020: Board Member, Specialization School in Clinical and Laboratory Pathology

Since 2016: Board Member, Specialization School in Hospital Pharmacy (Dept. of Pharmaceutical Sciences, DSF)

Since A.Y. 2019–2020: Coordinator, Integrated Course: “Etiopathogenesis of Diseases”, BSc in Dental Hygiene

Since A.Y. 2019–2020: Coordinator, Integrated Course: “Molecular Basis of Diseases”, BSc in Laboratory Technician, Radiology Technician, Physiotherapy

Since A.Y. 2014–2015: Coordinator, Integrated Course “Foundations of Immunology and Medical Microbiology”, BSc in Biotechnology

A.Y. 2020–2021: Library Council Member, Interdepartmental Medical Library, UPO

Since 2005: Admission Exam Committee Member for Medicine, Biotechnology, and Health Professions

Since 2005: Degree Committee Member for Medicine, Biotechnology, Biomedical Lab Tech, and Dental Hygiene

Since 2005: Board Member of Degree Programs in Biotechnology, Biomedical Lab Tech, Radiology, Physiotherapy, and Dental Hygiene

SCIENTIFIC ROLES

Editorial Boards:

1. *Scientific Reports* (Nature)
2. *Journal of Cancer Metastasis and Treatment* (OAE Publishing Inc) – Junior Member
3. *EC Microbiology* (E-Cronicon)

Academic Editor:

- *BioMed Research International* (Hindawi)

Other Roles:

- Management Committee Member, COST Action: CellFit CA16119
 - Evaluator of FISR, SIR, and PRIN projects for the Italian Ministry of Education, University and Research (MIUR)
 - REPRISE Official Referee (MIUR)
 - Certified ANVUR Researcher for VQR 2004–2019
 - Ad hoc reviewer for international journals (Elsevier, Hindawi, MDPI): *Biomedicines*, *Gut Microbes*, *IJMS*, *Microorganisms*, *Nutrients*, *Virology Journal*, and others
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RESEARCH FOCUS

1. *Role of the microbiota in skin-related diseases: psoriasis, atopic dermatitis, and non-melanoma skin cancers (NMSC)*
 2. *Role of the microbiota and vitamin D in epithelial tumors of the oropharynx*
 3. *Use of 3D models for studying microbial components in epithelial diseases*
 4. *Development of prevention and control strategies for infections caused by multidrug-resistant bacteria*
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FUNDED PROJECTS (Past 6 Years)

2024: ALMIRALL S.A. – *PSO-MICROBIO Project: “Psoriasis and Gut Microbiota during Biological Systemic Therapy”* – **Role: Co-PI**

2023: ROELMI HPC SRL – “Selection of plant extracts for the prevention and control of epithelial-related MDR pathogens” – **Role: PI**

2024: PRIN_PNRR_2022 – “Role of *Staphylococcus aureus* in patients with atopic dermatitis treated with anti-IL-4/IL-13 and anti-JAK” – **Role: Co-PI**

2019–2021: FAR 2017 Project – “Contribution of oral microbiota and vitamin D in cardiovascular diseases in head and neck cancer patients” – **Role: PI**

2020: FASTMED ITALIA SRL – “Evaluation of the biocidal activity of COMVIR” – **Role: PI**

2020–2023: PROBIOTICAL RESEARCH SRL – “Effect of probiotics and vitamin D on head and neck tumorigenesis” – **Role: PI**

2019–2022: PROBIOTICAL RESEARCH SRL – “Microbiota and metabolome characterization in NMSC patients treated with probiotics” – **Role: PI**

PUBLICATIONS

- 70 publications in peer-reviewed international journals
 - Over 2465 citations and h-index 29 (Google Scholar)
 - 1946 citations and h-index 27 (Scopus)
 - IRIS: iris.uniupo.it/cris/rp/rp00461
 - PubMed: pubmed.ncbi.nlm.nih.gov/?term=Azzimonti+Barbara
 - Google Scholar: scholar.google.it/citations?user=KWBMMMLgAAAAJ
 - Scopus: scopus.com/search/form.uri?display=basic
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AWARDS AND HONORS

2021: *Recti eques* Award – Italian Health Champions

2006: Special Prize “Biotec Notopharm” – II Edition, Start Cup Torino Piemonte

2003: Research Fellowship – LILT, UPO

2002: Fellowship – Italian Foundation for Cancer Research (FIRC), project at DKFZ Heidelberg

1997–1998: Fellowship – LILT, UPO; Project: “Biological characterization of interferon-inducible HIN200 genes”

TEACHING ACTIVITIES

Current Courses

2025: Microbiology and Clinical Microbiology – Specialization School in Oral Surgery

2024: Microbiology and Clinical Microbiology – Specialization School in Dermatology and Venereology

2020: Virology Diagnostics Internship – Specialization in Clinical and Laboratory Pathology

2019: Clinical Monitoring of Antibiotic and Antiviral Use – Specialization in Hospital Pharmacy

2016: Microbiological Analyses – Specialization in Hospital Pharmacy

2023–2024: Medical Microbiology and Microbiology Lab – Honors Program, BSc in Biotechnology

Since 2011: Medical Microbiology and Microbiology Lab – BSc in Biotechnology (also Course Coordinator)

Since 2005: General Microbiology – BSc in Health Professions (Lab Tech, Radiology, Physiotherapy) – Course Coordinator

Since 2005: General Microbiology – BSc in Dental Hygiene – Course Coordinator

Other Teaching Roles

Thesis Supervisor for PhD, MD, and various undergraduate programs

Research Supervisor for post-docs, PhD students, Erasmus and EU exchange students

THIRD MISSION AND PUBLIC ENGAGEMENT

Participated in numerous public science events, including:

Settimana del Cervello (2024): “Brains on fire and the microbiota: rules for good neighborhood living”

Dialoghi con la Scienza (2024): In conversation with Maria Rescigno: “Gut and brain, a two-way street”

Scienza sotto la Cupola (2025): “Microorganisms between science and fun”

Open Days (since 2017)

Orientamento Universitario per le scuole superiori (since 2024)

Piano Nazionale Lauree Scientifiche (PLS) (since 2015)

PNRR laboratory per le Scuole Superiori

Novara BioLab (since 2017)

Ricercatori a Merenda (2023–2025)

Notte dei Ricercatori (2018–2024)

UPO Junior (2019–2024)

Ricercatori alla Birra (2024): “Microbiota: your invisible wellness influencer”

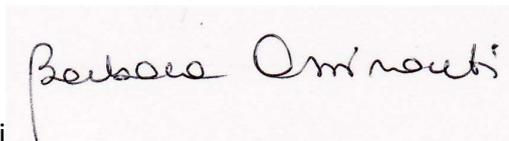
Summer of Science (2022): “Skin microbiota biodiversity and skin health: a link to explore?”

Data Consent

I authorize the processing of my personal data pursuant to Legislative Decree 30 June 2003, no. 196 "Personal Data Protection Code"

Novara, April 14, 2025

Sincerely,

A handwritten signature in black ink on a light-colored background. The signature reads "Barbara Azzimonti" in a cursive script.

Dr./Prof. Barbara Azzimonti