

Laura Giovati

Associate Professor of Microbiology and Clinical Microbiology

Department of Medicine and Surgery

University of Parma

Updated on: 9 July 2026

Key Information

Academic field: MEDS-03/A – Microbiology and Clinical Microbiology

National Scientific Qualification: Full Professor (SC 06/A3 – Microbiology and Clinical Microbiology), valid from 12 June 2026 to 12 June 2038.

Scopus Author ID: 10142265200

ORCID: 0000-0001-7514-1789

Research interests: antimicrobial and immunomodulatory peptides; microbial pathogenesis and host–pathogen interactions; innovative human mucosal models of infection; microbial biofilms; oral microbiology; novel therapeutic targets for microbial infections.

Current Position

Since 2022, Laura Giovati has been Associate Professor of Microbiology and Clinical Microbiology in the Department of Medicine and Surgery, University of Parma. Previously, she served as Assistant Professor (2014–2022) and held postdoctoral research fellowships (2010–2014). She obtained her PhD in Microbiology and Virology from the University of Parma after graduating with full marks in Biotechnology from the University of Verona and conducting research at the University of Helsinki. In 2026, she obtained the Italian National Scientific Qualification (ASN) for Full Professorship in Microbiology and Clinical Microbiology (SC 06/A3).

Teaching

She teaches Microbiology and Clinical Microbiology in undergraduate and postgraduate programmes at the University of Parma, including a joint degree programme with the University of Modena and Reggio Emilia. She also supervises undergraduate students, PhD candidates, research fellows and postdoctoral fellows.

Research

She coordinates and participates in research projects funded by national and international agencies and is the author or co-author of peer-reviewed journal articles, book chapters and conference contributions.

Her early research focused on mycotoxins and immunoprophylactic approaches against mycotoxicosis. She subsequently expanded her research to the structural and functional characterization of antimicrobial synthetic peptides derived from the sequences of human serum proteins, particularly antibodies.

Her current research focuses on:

- development of innovative human respiratory mucosal models to investigate microbial pathogenesis and host responses to infection;
- study of fungal and bacterial ecology of odontogenic infections and the activity of antimicrobial peptides against oral microbial biofilms;
- development of novel strategies for integrated biological control and new therapeutic approaches for vector-borne diseases based on toxin-producing yeasts (killer yeasts) and peptides derived therefrom;
- discovery of selective microbial carbonic anhydrase inhibitors and evaluation of their antimicrobial activity.

Electronic signature:
