

Professional background and academic position at the University of Parma (Italy)

MD (1991), PhD in Basic and Applied Microbiology (1994), Specialist in Medical Microbiology and Virology (1999).

Post Doc researcher: - 1994. Institute for Animal Health, Compton Laboratory, Compton, Berkshire (UK); - 2000. Institute Pasteur, Paris (France).

Assistant Professor (1998-2005), Associate Professor (2008-2021), Full Professor (2021-present) of Microbiology and Clinical Microbiology.

Director of the Units of Clinical Microbiology (2010-present) and Virology (2011-present) at the University Hospital of Parma.

2017. National Scientific Qualification for the role of Full Professor in Italian Universities.

2023. Qualification as member of the National Commission of the Italian Ministry of University to evaluate candidates applying to the national scientific qualification for the role of professor in Italian Universities.

Director of the post degree Medical School of Microbiology and Virology (2011 to 2023).

Dean of the School for Technicians of Biomedical Laboratory (2011-2016).

Teaching activities (1998-present): Director of courses at the Faculty of Medicine and Surgery (courses in Italian and English): Microbiology, Laboratory Medicine, Clinical Microbiology, Infectious diseases. Director of the Practical training of the students in Medicine and Surgery (skills in clinical practice of infectious diseases and infection management).

Member of the Teaching Council of the PhD courses and Supervisor of PhD students: Microbiology and Virology, Applied Microbiology and Surgical sciences, Medical and Surgical Translational Sciences.

Main research topics : bacteriology (mycobacteria, spirochetes); parasitology (malaria, *Toxoplasma gondii*, intestinal protozoa), virology (epitotrophic viruses, enteric viruses, respiratory viruses, herpesviruses), innovative diagnostics in clinical microbiology and virology.

Member of the World Health Organization collaborative study group on malaria and the WHO study group on toxoplasmosis.

Member of: European Society for Clinical Microbiology and Infectious Diseases (ESCMID), ESCMID Study group for Clinical Parasitology (ESGCP), Italian Society of Microbiology, Italian Society of Virology, Association of the Italian Clinical Microbiologists.

Responsibility of the most recent financed scientific research projects

- Scientific research projects financed from the University of Parma (Local Financed -FIL) 1998-present.

- 2001-2004 Responsible of unit: Scientific research programs of relevant national interest (PRIN) (Prot. 2001068544_004). Title: study of the molecular interactions in infections by human herpesviruses and the immune response. (2001-2004).

- 2011-present. Responsible of the Scientific research project financed by the Italian Presidency of the Council of Ministers. Title: Biobank of microorganisms and viruses pathogenic to humans and animals.

- 2015-2018. Participant to the Scientific research programs of relevant national interest (PRIN) (Code 2015YZB22C, by ministerial decree 0001826 20 September 2016). Title: Impact of the infection by DNA viruses on the development of autoimmune diseases: focus systemic sclerosis.

- Project of Significant National Interest "PRIN 2022 "Investigating Hepatotrophic Viruses in carnivores and humans in a One Health perspective (HVOH)" – Code Cineca 2022EPP2TT – 2023-2025.

Main scientific collaborations: Institute Pasteur, Paris (France); Istituto Superiore di Sanità, Rome (Italy); National Institute for Biological Standards and Control, London (UK); Department of Infectious and Tropical Diseases, London School of Hygiene and Tropical Medicine, London, (UK), World Health Organization collaborative study groups on malaria and toxoplasmosis molecular diagnostic.

Editorial activity

- Editor in Chief (2023-present), Associate Editor in *Diagnostic Microbiology and Infectious Disease* (2021-2022).

- Academic Editor in *Plos One* (2014 -present).

- Editor in *Scientific Reports*- Nature portfolio (2015 -present).

- Editorial Board Member in *Journal of Clinical Virology* (2023-present).

- Guest Editor in *Scientific Reports* -Nature Portfolio: collection "Malaria drugs, vaccines and control" 2023-present;

- Topic Editor and Section Editor, Guest Editor of special issues in *Microorganisms*- MDPI (2020 -present):

Surveillance of viral epidemics, Malaria in non endemic areas: Diagnosis, Therapy and Epidemiology, Matrix-Assisted Laser Desorption/Ionization time of Flight Mass Spectrometry (MALDI-TOF MS) for the identification of Pathogenic Microorganisms (3 editions: 1.0, 2.0, 3.0).

Reviewer in: *Acta Tropica, Biomedicine, Clinical Epidemiology, Clinical Pediatrics, Diagnostics, Epidemiology and Infection, Emerging Microbes and Infections, Global Pediatric Health, Infectious Diseases, Infection and Drug Resistance, International Journal of Infectious Diseases, Journal of Advanced Research, Journal for Parasitology, Journal of Pediatric Infectious Diseases, Journal of Inflammation Research, International Journal of Molecular Sciences, Molecular and Cellular Probes, Transactions of the Royal Society of Tropical Medicine and Hygiene, Pathogens, Pathogens and Global Health, Viruses.*

- **Invited Author** for the book "*Cytomeglaovirus: from biolgy to clinical aspects*", Elsevier Ed. to be published on December 2024.

Authors of 531 scientific publications on national and international journals (159), scientific books (6), and publications at national and international scientific congresses (343) several of those were as invited speaker (23).