Giorgio Gallinella

Sex M | Date of Birth 20/06/1963 | Nationality Italian

Department of Pharmacy and Biotechnology
Alma Mater Studiorum Università di Bologna

051 4290900 333 2763046

giorgio.gallinella@unibo.it

https://www.unibo.it/sitoweb/giorgio.gallinella

SCOPUS Author ID: 7003411131 ORCID https://orcid.org/0000-0003-1118-6341

CURRENT POSITION

Full Professor
Microbiology and Clinical Microbiology SSD MED/07
Department of Pharmacy and Biotechnology
UO Microbiology – IRCSS S.Orsola
Alma Mater Studiorum Università di Bologna

QUALIFICATION

2020 Full Professor, Academic discipline MED/07 – Microbiology and Clinical Microbiology, at the Department of Pharmacy and Biotechnology of the University of Bologna. Appointment with effect from 21 December 2020.

2017 National Scientific Qualification (ASN) as Full Professor, sector 06/A3, Microbiology and Clinical Microbiology (SSD MED/07).

2004 Associate Professor, Microbiology and Clinical Microbiology, Faculty of Pharmacy, then Department of Pharmacy and Biotechnology, University of Bologna. Appointment with effect from 7 January 2004. Confirmation in role with effect from 7 January 2007.

1999 Affiliation as Medical Staff at the Microbiology Unit, Hospital S. Orsola-Malpighi, Bologna, in convention with the National Health System - Regione Emilia Romagna

1998 Assistant Professor, Microbiology and Clinical Microbiology, Faculty of Pharmacy, University of Bologna. Appointment with effect from 1 April 1998. Confirmation in role with effect from 9 April 2001.

EDUCATION

1993-1997 Medical Specialization Degree in Microbiology and Virology obtained from the University of Bologna, 70/70 cum laude, presenting a thesis entitled:
Development and standardization of a competitive PCR assay for the detection of Human Parvovirus B19".

1992-1993 Scholarship conferred by the ISS (Rome). Scientific activity conducted for the period September 1992 - November 1993 at the Hematology Branch, NHLBI, NIH, Bethesda MD USA, Director N.S. Young.

1989-1994 PhD Degree in Microbiological Sciences obtained from the University of Genova, presenting a dissertation entitled "Molecular biology in the study and diagnosis of Parvovirus B19".

1982-1989 Degree in Medicine and Surgery obtained from the University of Bologna, 110/110 cum Laude.

ACTIVITY

Scientific activity

The scientific research activity is conducted in the virology field, mainly addressed to the study of Parvovirus B19, a human pathogenic virus, as a model system.

In this context, the research has mainly focused on:

- study of viral genetic and molecular characteristics
- study of the characteristics of virus-cell interactions
- study of the pathogenetic and clinical aspects of infectious processes
- development of innovative methodologies and diagnostic assays
- development of antiviral drugs

Top-ranking lab on the research topic Parvovirus B19:
www.expertscape.com/ex/parvovirus+b19%2C+human

Within the Department of Pharmacy and Biotechnology, he is coordinator of the Microbiology and Clinical Microbiology research group (SUA-RD 2011-2019).

The scientific activity led to the production of 124 original articles in international journals listed in PubMed (updated 21 December 2024, list as annex).

Bibliometric indices according to Scopus: 130 documents surveyed, for a total of 3303 citations from 2048 documents and H-index equal to 32 (Source: Scopus, updated 21 December 2024).

Impact Factor according to Web of Sciences - Journal Citation Reports, by year of publication (IF 1997 for previous years): 127 documents surveyed, total Impact Factor equal to 420,027, average 3,361 (Source: JCR, updated 21 December 2023)

Participation in funded Projects of National Interest (PRIN/PNRR)

PNRR PE13 - INF-ACT One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases - Code PE00000007

PRIN 2020 (202089LLEH_001) Transition from asymptomatic colonization to disease by human respiratory-tract bacteria as a target for vaccines and antimicrobial therapy: The CoDiCo (colonisation to disease concepts) project.

PRIN 2017 (20179JHAMZ_007) APPEALING: An integrated APProach focusEd on defining the moleculAr and biological mechanisms reguLatING viral reactivation and persistence.

PRIN 2015 (2015W729WH_006) Persistent and latent viral infections: mechanisms controlling viral reactivation/replication and chronic/degenerative damages.

PRIN 2010-2011 (20108ZSRTR_002) ARTEMIDE (Autonomous Real Time Embedded Multi-analyte Integrated Detection Environment): fully integrated lab-on-chip for the early detection of viral infections – Responsible of Scientific Research Unit.

PRIN 2006 (2006033944_003) Innovative methods for integrated top-down analysis of proteins in new generation proteomics and diagnostics.

PRIN 2004 (2004031137_002) Integrate Innovative Techniques for Identification, Selection and Characterization of Proteomics and Metabolomics of Microorganisms potentially pathogen for Man.

PRIN 1999 (9906105837_002) Study of RNA virus-specific messengers of parvovirus B19 in infection in vitro and in vivo.

Coordinator of scientific cooperation projects with commercial companies in the Biopharmaceutical Sector

2017. HuMabs (subsidiary of Vir Ltd). Investigation of the neutralizing activity of Human Monoclonal Antibodies against Parvovirus B19 (B19V).

2015. Chimerix Inc. Investigation of the antiviral activity of Brincidofovir (BCV) against Parvovirus B19 (B19V).

2013. Biotrin International Ltd. Experimentation of molecular diagnostic tests based on the LAMP technology.

2012. Omrix Biopharmaceuticals Ltd. Evaluation of Human Parvovirus B19 Inactivation by the Pasteurization Step in Human Fibrinogen Production.

2010. Biotrin International Ltd. Evaluation of the applicability of the LAMP technology to the development of molecular assays for the detection of DNA of Parvovirus B19 and BK virus.

2009. DiaSorin S.p.A. Comparative analysis of the new test DiaSorin LIAISON Parvovirus IgM.

2000. Farma Biagini - Kedrion S.p.A. Use of a competitive PCR method for the detection of DNA of Parvovirus B19 in human plasma samples.

Teaching activity

Presently teaching in the following courses:

MICROBIOLOGY AND VACCINES - 6 CFU. Master Degree in Pharmaceutical Biotechnology, Department of Pharmacy and Biotechnology, University of Bologna.

MEDICAL MICROBIOLOGY - 6 CFU. Master Degree in Health Biology, Department of Pharmacy and Biotechnology, University of Bologna.

Member in the Academic Board of the PhD Degree Programs, University of Bologna:

Biotechnological, Biocomputational, Pharmaceutical and Pharmacological Sciences (Cycles 34-40)

Biotechnology and Pharmaceutical Sciences (Cycles 30- 33)

Biochemical Sciences and Biotechnology (Cycles 26-29)

Member in the Academic Board of Specialization Schools, University of Bologna:

Microbiology and Virology – Medical Doctors (from 2022-23)

Microbiology and Virology – Non-Medical Doctors (from 2022-23)

Institutional and academic appointments activity

2018-2024: Coordinator of the International Master's Degree in Pharmaceutical Biotechnology, Department of Pharmacy and Biotechnology, University of Bologna.

Since 2013: Representative of the University of Bologna on the Board of Directors of the ItalBiotec Consortium (https://www.italbiotec.it/)

2012 - 2015 and 2018-2021: Member of the Department Board, Department of Pharmacy and Biotechnology, University of Bologna.

2013 - 2018: President of the Joint Commission of the School of Pharmacy, Biotechnology and Movement Sciences, University of Bologna.

2013 - 2018: Delegate for guidance for the School of Pharmacy, Biotechnology and Exercise Sciences, University of Bologna.

2012 - 2015: Member of the Board of the School of Pharmacy, Biotechnology and Movement Sciences, University of Bologna.

2009 - 2012: Member of the Presidency Council of the Faculty of Pharmacy, University of Bologna

2005 - 2007: Coordinator of the Degree Course in Scientific Information on Drugs, Faculty of Pharmacy, University of Bologna

Meeting Organization

Organization of the international congress “XVIII Parvovirus Workshop”, Rimini, 14-17 June 2022.

Organization of the XI SiMiF national congress (Italian Society of Pharmaceutical Microbiology), Bologna, 9-10 June 2016.

Organizing committee of the international congress “IX Parvovirus Workshop”, Bologna, 28-31 August 2002.

Organizing committee of the international congress “Progress in Clinical Virology, inaugural meeting of the “European Society for Clinical Virology”, Bologna, 7-10 September 1997.

Editorial Activity

Editorial Board Member for Journal ‘Viruses’ (MDPI);
Guest Editor for the Special Issues:

- Advances in Parvovirus Research 2024 (2024-2025) https://www.mdpi.com/journal/viruses/special_issues/parvovirus_2024
- Advances in Parvovirus Research 2022 (2022-2023) https://www.mdpi.com/journal/viruses/special_issues/parvovirus_2022
- Advances in Parvovirus Research 2020 (2020-2021) https://www.mdpi.com/journal/viruses/special_issues/parvovirus_2020
- New Insights into parvovirus Research (2018-2019) https://www.mdpi.com/journal/viruses/special_issues/Parvovirus

Scientific textbooks

Contribution of the following chapters:

Parvoviridae. In: Rezaei N, Encyclopedia of Infection and Immunity, vol. 2, pp. 259-277. Oxford: Elsevier. (2022) dx.doi.org/10.1016/B978-0-12-818731-9.00053-7

Molecular Testing for Parvoviruses. In: Coleman WB, Tsongalis GJ, Diagnostic Molecular Pathology (2024 2nd ed.) doi.org/10.1016/B978-0-12-822824-1.00043-2

Teaching textbooks

Contribution to the following textbooks:

Nicola Carlone. Microbiologia Farmaceutica, EdiSes, Napoli (3° edizione)

Michele La Placa. Principi di Microbiologia Medica; Società Editrice Esculapio, Bologna, (8° -13° edizione) e EdiSes, Napoli (14° edizione)

Prizes and Awards

2000. Abbott Murex Award, conferred by the European Society for Clinical Virology, for the original contribution in the field of virological diagnosis.

1996. C.I.B. Diploma - Conferred by the Interuniversity Consortium for Biotechnology, Biomedical sector, for originality and quality of scientific activities in the field of biotechnology.