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Molecular Biology of Infectious Diseases

Guest Editors:

Dr. Elena Rusu

Preclinical Department, Faculty of Medicine, Titu Maiorescu University, Bucharest, Romania

Dr. Diana Roxana Pelinescu

Department of Genetics, Faculty of Biology, University of Bucharest, 050663 Bucharest, Romania

Dr. Laura Georgiana Necula

Department of Cellular and Molecular Pathology, Stefan S. Nicolau Institute of Virology, 030304 Bucharest, Romania

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Message from the Guest Editors

Molecular biology has greatly impacted the field of infectious disease diagnosis and management. The use of molecular methods, particularly polymerase chain reaction (PCR) techniques, has led to a significant improvement in the detection and characterization of microorganisms. These methods now allow for better and more rapid identification of microorganisms in contrast with traditional laboratory methods, such as cultures. In addition to detection, molecular methods have also progressed to include detection of antimicrobial resistance genes, strain characterization through genotyping, and viral resistance which is important in monitoring responses to generic or targeted antiviral therapies.

In this Special Issue, we welcome original articles, review articles, and case reports that highlight the clinical impact of molecular biology techniques for an improved clinical diagnosis of infectious diseases and their impact on a better clinical management of the patient.



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Special Issue



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Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in
Biomedicine (IRB Barcelona), The
Barcelona Institute of Science
and Technology, 08028
Barcelona, Spain

Message from the Editor-in-Chief

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Contact Us

Life Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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