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Molecular Biology of Infectious Diseases

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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 diagnostic of infectious diseases and their impact on a better clinical management of the patient.



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Special Issue



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Message from the Editor-in-Chief

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