Special Issue

Novel Molecular Diagnostic Methods of Clinical Disease

Message from the Guest Editor

The incidence of infectious diseases is high and often causes critical illness, a serious threat to human life and health. The diagnosis and treatment of infectious diseases depend on aetiological detection techniques. Therefore, etiological detection technology is required to achieve the timely, accurate and comprehensive detection of pathogens. Traditional methods for conducting the aetiological diagnosis of infection mainly include morphological detection, microbial culture, smear microscopy, antigen and antibody detection, nucleic acid detection, etc. However, these methods have many limitations, such as long detection cycles, low sensitivity, narrow detection spectrum of pathogens, and many more. Indeed, traditional pathogenic microorganism detection methods often cannot effectively handle infections caused by rare or new pathogens. Therefore, there is an urgent need to develop a series of more powerful pathogen detection tools. This research topic welcomes original research, methods, and review articles focusing on the characteristics, clinical applications, advantages and challenges of all aspects of molecular approaches to pathogenic diagnostics.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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