

Special Issue

Diagnostic Challenges in Joint Infections: From Culture to Molecular Techniques

Message from the Guest Editor

Joint infections, particularly periprosthetic joint infections (PJIs), pose significant diagnostic challenges due to their complex aetiology and often subtle clinical presentations. Traditional culture-based methods, while foundational, are limited by their sensitivity and turnaround time. This Special Issue will explore the latest advancements in diagnostic techniques, including molecular methods such as PCR, next-generation sequencing (NGS), and mass spectrometry, which offer improved accuracy and faster results. We aim to highlight the integration of these technologies into clinical practice, addressing their potential to enhance early detection and tailored treatment strategies for joint infections.

Guest Editor

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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