

## Special Issue

# Pediatric Diagnostic Microbiology

### Message from the Guest Editor

Infectious diseases are the most common problems pediatricians face in their daily practice. Especially, some children may develop rapidly progressive infections that may result in severe morbidity and long-term sequelae if not promptly diagnosed and adequately treated. The detection of the etiologic agents in the young patient presents particular challenges because of the difficulties in the collection of biological specimens such as blood, exudates from small bones and joints, sputum, urine, or cerebrospinal fluid.

Traditionally, the Clinical Microbiology Laboratory has relied on Gram stains, cultures, antigen detection assays, and serological tests to establish the etiology of the infection. In recent years, infectious diseases have been revolutionized by developing and introducing nucleic amplification methods that combine exquisite sensitivity, specificity, and biosafety.

The Special Issue aims to present an update on the recent developments in the laboratory diagnosis of pediatric infections, including the use of universal and species-specific molecular methods, panels for syndromic testing, next-generation sequencing, and molecular determination of antibiotic susceptibility.

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### Guest Editor

Prof. Dr. Pablo Yagupsky

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### Deadline for manuscript submissions

closed (15 September 2023)



## Diagnostics

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### Editor-in-Chief

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