



children



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Human Genetics and Bioinformatics in Pediatric Diseases

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Message from the Guest Editors

At present, next-generation sequencing (NGS) technologies such as whole exome sequencing (WES) and whole genome sequencing (WGS) have played an important role in the genetic testing of children. Rapid WES/WGS tests significantly shorten the turnaround time, and the results help to adjust the treatment regimen in a timely manner. In recent years, metagenomic next-generation sequencing (mNGS) has been widely used for the diagnosis of infectious diseases and has achieved significantly higher sensitivity than conventional methods. In severe infections, alongside the testing of conventional methods, mNGS is also used as a first-line test for the diagnosis of infections in children.

This Special Issue aims to provide a comprehensive overview of how the gut microbiota plays a role in pediatric diseases. In this Special Issue, we welcome all papers, including original research, systematic reviews, and meta-analyses. We also welcome clinical and preclinical research and basic research on humans and/or animals.



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Special Issue