

Special Issue

Human Genetics and Bioinformatics in Pediatric Diseases

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.

Guest Editors

Prof. Dr. Wenhao Zhou

Dr. Mingbang Wang

Prof. Dr. Hongfang Jin

Deadline for manuscript submissions

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Children
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
children@mdpi.com

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Paul R. Carney

Departments of Child Health and Neurology, University of Missouri, 400 Keene Street, Columbia, MO 65211, USA

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