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## Emerging Role of Microbiome in Pediatric Diseases

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Deadline for manuscript  
submissions:

**closed (28 February 2023)**

### Message from the Guest Editors

Dear Colleagues,

The microbiome is, without a doubt, important to human health; however, there is still a large gap in our understanding of its role in well-being. Microbiome genes can encode functions and metabolic pathways participating in host biological processes including not only metabolism, but also nutrition and immunity. Various patients' responses have been linked to interindividual gut microbial composition differences, including cancer immune- and chemotherapies, or treatment of neurobehavioral and neurodevelopmental diseases. These findings suggest including microbiomes into personalized treatment decisions and a precision medicine framework.

The scope of this Special Issue is to put together original research articles and reviews that pinpoint the identification of microbial biomarkers, microbiome-related molecules and microbial properties in pediatric diseases, highlighting their potential use in translational medicine and personalized treatment. Using omics approaches together with machine learning could help to reveal the hidden potential of microorganisms.

We look forward to receiving your contributions.

Dr. Katarina Soltys

Dr. Ivan Mikula

*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

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