

Special Issue

Frontiers in Autism Spectrum Disorder among Children and Adolescents

Message from the Guest Editors

New microbiome sequencing technologies provide novel information about the potential interactions among intestinal microorganisms and the host in neuropathologies such as ASDs. The microbiota–gut–brain axis is an emerging aspect in the generation of autistic behaviors; evidence from animal models suggests that intestinal microbial shifts may produce changes fitting the clinical picture of autism. Additionally, some evidence supports the assertion that physical activity interventions have a moderate or large effect on a variety of outcomes, including for the development of manipulative skills, locomotor skills, skill-related fitness, social functioning, and muscular strength and endurance in youth with ASDs. Another important aspect is nutrition and the relationship between nutrition factors and the development of ASDs. In the present Special Issue, all these aspects might be represented, with a focus on ASDs; physical activity and ASDs; physical activity, nutrition and ASDs; nutrition and ASDs; microbiota findings in ASD patients; and brain advances in ASD patients, with a special emphasis on children and adolescents.

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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

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