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Frontiers in Autism Spectrum Disorder among Children and Adolescents

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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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Special Issue



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Message from the Editor-in-Chief

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