



children



an Open Access Journal by MDPI

Frontiers in Autism Spectrum Disorder among Children and Adolescents

Guest Editors:

Dr. Julio Plaza-Díaz

Children's Hospital Eastern
Ontario Research Institute,
Ottawa, ON K1H 8L1, Canada

Dr. Patricio Solis-Urra

1. Faculty of Physical Activity and
Sport Sciences, University of
Granada, 18071 Granada, Spain
2. Faculty of Education and
Social Sciences, Universidad
Andres Bello, Viña del Mar
2531015, Chile

Deadline for manuscript
submissions:

closed (25 February 2023)

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.



mdpi.com/si/94828

Special Issue