



Gut Microbioma in Childhood Health and Disease

Guest Editors:

Prof. Dr. Salvatore Cucchiara

Department of Women's and
Child's Health, Sapienza
University of Rome, Rome, Italy

Prof. Dr. Laura Stronati

Department of Molecular
Medicine, Sapienza University of
Rome, Italy

Deadline for manuscript
submissions:

closed (31 July 2021)

Message from the Guest Editors

The gut microbiota (GM) composition and function is a major factor involved in human health and disease. In particular, GM is a key player in the mechanisms underlying chronic multifactorial disorders, known as noncommunicable diseases, interacting with host genetics and immune system. In this interplay the intestine has a gatekeeper role, since it harbours a very heterogeneous microbial community and possesses a sophisticated immune system which is daily exposed to a multitude of food and microbial antigens.

The GM is characterized by distinctive compositional and functional features in different periods of life. Emerging evidence suggests that the microbes found in the human body are essential for the development and maturation of the child's immune system; moreover, they play fundamental roles in nutrition and resistance to pathogens at all ages.

The purpose of this special issue is to provide an overview of the GM role during the childhood in health and disease and the use of the microbiota-directed therapies in pediatric disorders.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI