



an Open Access Journal by MDPI

The Gut Microbiota in Infants: Focus on Bifidobacterium

Guest Editors:

Message from the Guest Editors

Dr. Gonzalo Solís Sánchez Neonatology, Pediatrics Area,

Hospital Universitario Central de Asturias, Universidad de Oviedo, Oviedo, Spain

Prof. Dr. Miguel Gueimonde

Instituto de Productos Lácteos de Asturias (IPLA-CSIC), Villaviciosa, Asturias, Spain

Deadline for manuscript submissions: closed (31 December 2021)



mdpi.com/si/63805

Dear Colleagues,

This Special Issue will present the current view of gut microbiota research in infancy, and the consequences for later health, with special focus on the genus Bifidobacterium. In recent years, the intestinal microbiota has been studied in depth in child development. However, there are still gaps in the importance of alterations in the microbiota, specifically in the role of microorganisms of great relevance in the infant intestinal ecosystem, such as the genus Bifidobacterium. This Special Issue will cover, but not limited to, the following:

- Role of infant intestinal microbiota in the maintenance of health
- Development of the gut microbiota, including Bifidobacterium, along the different stages of infant development
- Impact in infancy on the intestinal microbiota composition and function
- Use of probiotics, including Bifidobacterium, in neonates and pediatric population
- Effect of feeding habits, infant foods, etc., on Bifidobacterium
- The mechanisms involved in the bifidobacteriahost interaction

Dr. Gonzalo Solís Sán Specialsue



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Systems Biology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Author Benefits

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in highquality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities

as well as that exploring cultured microorganisms in the **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, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Microbiology) / CiteScore - Q2 (Microbiology (medical))

Contact Us

Microorganisms Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/microorganisms microorganisms@mdpi.com X@Micro_MDPI