Special Issue

The Gut Microbiota in Infants: Focus on Bifidobacterium

Message from the Guest Editors

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 bifidobacteria–host interaction

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"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 high-quality 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 laboratory.

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