

Special Issue

The Role of Microbiota in Wellness and Target Therapy: Molecular and Mechanistic Insights

Message from the Guest Editors

In recent years, knowledge about the composition and role of human microbiota has enormously increased. It has become clear that human microbiota is a complex community of bacteria, viruses, and fungi that plays a key role in maintaining health, and that its alteration, named dysbiosis, is involved in different communicable and noncommunicable diseases. Gut microbiota is responsible for the fermentation of nondigestible fibers, resulting in the production of short chain fatty acids, nutrients further contributing to host energy production, metabolism, and immunity. Different external factors, including diet, physical activity, stress, drugs, and geographic environment may influence gut microbiota composition and functions. This Special Issue will highlight recent research on the role of intestinal microbiota in wellbeing and will explore target therapies by focusing on potential molecular mechanisms.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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.

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