

Special Issue

The Microbiome and Multiple Sclerosis

Message from the Guest Editor

There has been growing interest in the host microbiome in multiple sclerosis, with investigations of this exciting paradigm ranging from basic science to clinical approaches and therapeutic interventions. The microbiome—which is now regarded as (i) an important risk factor contributing to disease development, (ii) an influencer of disease course and trajectory, and (iii) a possible additional layer that filters DMT's effectiveness—is paving the way for more personalized and custom therapeutic approaches. At the same time, technological advancements such as Shotgun and Whole-Genome Microbial Sequencing have enabled much deeper host microbiome sequencing, also enabling the evaluation of longitudinal and age-related variability. This Special Issue welcomes contributions on the host microbiome that either provide a better understanding of multiple sclerosis from purely biological and mechanistic standpoints, or discuss possible novel therapeutic frontiers to modulate the immune system through microbial influence.

Guest Editor

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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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