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Nutrition and Microbiota as Modulators of Immunometabolism

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Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

The intestinal microbiota, as part of the environmental exposome, is strongly influenced by nutrition and plays a key role in health and disease. In this *Nutrients* Special Issue, we summarize current views on the modulating effect of nutrition on host immunity from a microbiome perspective. We highlight recent advances in the mechanisms by which nutrition and diet-induced dysbiosis alter host immune functions and cellular metabolism, thereby influencing disease development. This Special Issue aims to provide insights into the adaptation and maladaptation of organ-specific immune functions, influencing host metabolism, inflammatory phenotypes and tissue remodeling. Lastly, novel concepts for treatment strategies by microbiome modulation are discussed as means of personalized precision medicine.



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Special Issue



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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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