

Special Issue

Nutrition and Microbiota as Modulators of Immunometabolism

Message from the Guest Editors

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.

Guest Editors

Prof. Dr. Christoph Reinhardt

Center for Thrombosis and Hemostasis (CTH), University Medical Center of the Johannes Gutenberg-University Mainz, Mainz, Germany

Dr. Tim Hendriks

Department of Laboratory Medicine, Medical University of Vienna, Vienna, Austria

Deadline for manuscript submissions

closed (31 May 2021)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/36741

Nutrients
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)





Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)



About the Journal

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.

Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

Author Benefits

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, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Nutrition and Dietetics)