



Immunometabolic Determinants of Gut–Liver Axis Health

Guest Editor:

Dr. Jose Moisés Laparra

Molecular Immunonutrition
Group, Madrid Institute for
Advanced Studies in Food
(IMDEA-Food), 28049 Madrid,
Spain

Deadline for manuscript
submissions:

28 February 2025

Message from the Guest Editor

The bidirectional relationship between environmental conditions in the intestinal tract and liver function is undoubted and widely accepted. A clear example of this is the impact of the entire hepatic axis on the function of the central nervous system, as well as the lungs and kidneys. From a global point of view, the pathologies associated with imbalances in the functions and immunometabolic conditions of these organs share bases that present their molecular origin in the emerging signaling in the intestinal context. This complex network of interactions in the 'entero-hepatic' axis represents an important challenge for the biomedical sector. Thus, it must face various aspects that are extremely involved in the development of pathologies with an enormous impact on our society. A critical view of this area of research reveals the existence of numerous unanswered questions, as well as the need for a multidisciplinary approach to support the translation of biomedical studies into effective precision medicines in health promotion.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research
Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA
2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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*, *PMC*, *CAPLus / SciFinder*, and other databases.

Journal Rank: JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Biomedicines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
X@Biomed_MDPI