

Special Issue

Gut-Brain Axis: New Pathophysiological Scenarios and Therapeutic Strategies

Message from the Guest Editors

Currently, the microbiota-gut-brain axis is emerging as a special scientific area of interest and a possible new target for different disorders. Modification in the gut microbiota composition appears to influence behaviour, cognitive processes, and the pain systems by modulating endocrine, immune, metabolic, and neuronal pathways. A better understanding of the mechanism by which the gut-brain axis is involved in chronic diseases may open new therapeutic strategies. The aim of this Special Issue is focused on understanding how an alteration of gut functionality, such as dysbiosis, is involved in different diseases (i.e., neurological and neurodegenerative diseases, chronic pain, obesity, and inflammatory bowel diseases), looking at the identification of specific pathways, risk factors, or conditions to develop better and safer therapies. We invite all interested researchers to submit review articles or original papers related to the topic of this Special Issue, guided by the keywords below. Prof. Roberto Russo

Guest Editors

Dr. Roberto R. Russo

Department of Pharmacy, University of Naples Federico II, 80131 Napoli, Italy

Dr. Claudia Cristiano

Department of Pharmacy, University of Naples Federico II, 80131 Naples, Italy

Deadline for manuscript submissions

closed (30 April 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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