

Special Issue

Inflammatory Bowel Diseases: Pathogenesis and Future Developments

Message from the Guest Editors

Inflammatory bowel diseases (IBD) pathogenesis is a result of an interplay between genetic susceptibility and environmental impact with regard to the gut microbiome that, through a weakened intestinal barrier, leads to inappropriate intestinal immune activation. The components involved in IBD pathogenesis are continuously being investigated, and this improved knowledge is contributing to the development of new therapies. New approaches must integrate all relevant factors in their totality—the “omes”—and identify the key controllers of biological responses. This can be accomplished with advanced bioinformatics tools, which together represent the essence of network medicine. Here, we invite experts to contribute to this Special Issue with original research or review articles that investigate the cellular and molecular basis of IBD, thereby implicating a number of immune and nonimmune cell types in its pathogenesis, such as macrophages, innate lymphoid cells and subsets of CD4+ T cells, as well as fibroblasts, epithelial cells and endothelial cells.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2022)



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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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