



Inflammatory Bowel Disease: Molecular Insights

Guest Editor:

Dr. Belal Chami

1. Discipline of Pathology, School
of Medical Sciences, Faculty of
Medicine and Health, The
University of Sydney,
Camperdown, Sydney, NSW
2006, Australia
2. Charles Perkins Centre, The
University of Sydney,
Camperdown, Sydney, NSW
2006, Australia

Deadline for manuscript
submissions:

20 September 2024

Message from the Guest Editor

Inflammatory Bowel Disease is an elusive gastrointestinal inflammatory disease of chronicity, which in many cases diminishes the quality of life of sufferers. While the armamentarium of therapeutic pharmacologies is ever expanding, our understanding of the molecular underpinnings to this insidious disease lags behind. If we are to progress to curative therapies, we must first define the molecular signatures of IBD at the genetic, biochemical and immunobiological level. This will likely include the complex interaction of a multitude of cells, messenger substances and proteins within the gut environment, immune-related structures and systemic circulation.

Recent advancements in genomic technologies, high-throughput imaging mass spectrometry and multiomic analysis have progressed our understanding of the interplay of endogenous and exogenous factors through newly discovered molecular actors, improved understanding of microbiome dysbiosis and spatial immunocompartmentalisation of the IBD-affected gut. This forms the aims of the Special Issue 'Inflammatory Bowel Disease: Molecular Insights'.





an Open Access Journal by MDPI

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

Message from the Editor-in-Chief

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.

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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI