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Inflammatory Bowel Disease: Focus on Molecular Research

Guest Editors:

Dr. David Meriwether

Vatche and Tamar Manoukian
Division of Digestive Diseases,
Department of Medicine, David
Geffen School of Medicine,
University of California Los
Angeles, Los Angeles, CA, USA

Dr. Hon Wai Koon

Vatche and Tamar Manoukian
Division of Digestive Diseases,
Department of Medicine, David
Geffen School of Medicine,
University of California, Los
Angeles, CA 90095, USA

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Message from the Guest Editors

Inflammatory bowel disease (IBD) is a chronic and relapsing inflammatory disorder of the GI tract that affects nearly 1 in 100 people in the US and exhibits increasing worldwide prevalence. Modern molecular techniques have partially elucidated the underlying mechanisms of this multifactorial disease. Nonetheless, while there exist several recently approved biologic and targeted therapies for IBD, these exhibit a consistent therapeutic ceiling of approximately 50%. The identification of additional biomarkers, actionable pathways, and novel therapeutics is needed.

This Special Issue aims to report the latest findings in the molecular biology of IBD. These studies can involve any modern molecular technique, such as proteomic, phosphoproteomic, lipidomic, or metabolomic analyses; genetic and gene expression analyses including spatial transcriptomics and single-cell RNA sequencing; mechanistic investigations involving animal and organoid models; and microbiological analyses including 16s RNA or shotgun metagenomic sequencing.



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Special Issue



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Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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*International Journal of Molecular
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MDPI, Grosspeteranlage 5
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