



Inflammatory Bowel Disease: Focus on Molecular Research

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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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Message from the Editor-in-Chief

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