

Special Issue

Solving the Puzzle: Molecular Research in Inflammatory Bowel Diseases

Message from the Guest Editor

Inflammatory bowel disease (IBD) is an umbrella term describing chronic idiopathic relapsing and remitting gastrointestinal autoimmune diseases. The main disorders are ulcerative colitis and Crohn's disease. IBD has proven to be multifactorial as genetic factors in parallel with environmental, infectious, and immunologic factors have been identified. Dysregulation of transcellular and paracellular intestinal barriers as well as activation of mucosal immune responses are involved either by representing a consequence or a trigger of the pathological impairments. Recent advances in IBD research have allowed the identification of new molecular predictive markers and development of innovative therapeutic concepts. Nevertheless, the etiological background of IBD remains poorly understood, and basic research with translational applications is cogently needed. This Special Issue aims to gather knowledge of original research and review articles covering functional, ultrastructural, genetic, and molecular research to promote solving the complex puzzle of IBD with the goal on new targets for effective intervention.

Guest Editor

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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.

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