

Special Issue

Cellular and Molecular Mechanisms of Inflammatory Bowel Disease

Message from the Guest Editor

It is my pleasure to invite submissions for the *Cells*' Special Issue dedicated to inflammatory bowel disease (IBD). IBD is a family of immune-mediated disorders showing an increasing prevalence worldwide. The pathogenesis of IBD is multifactorial and includes genetic factors, as well as a dysfunctional communication between the intestinal microbiota and the immune system, leading to a loss of immunotolerance and to the recruitment of inflammatory cells in to the intestinal mucosa. Both a dysregulated innate and adaptive immunity take part in the pathogenesis of intestinal damage, and multiple cytokines, chemokines, adhesion molecules, and receptors have been shown to take part in the pathogenesis of IBD. Accordingly, multiple therapeutic approaches have been developed. Nevertheless, therapy for IBD remains suboptimal. The present call is designed to accommodate every aspect of IBD from animal models, cellular and molecular mechanisms, intestinal microbiota, basic immunology, biochemistry and signaling mechanisms including original papers and reviews.

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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