



*cells*



an Open Access Journal by MDPI

## Cellular and Molecular Mechanisms of Inflammatory Bowel Disease

Guest Editor:

**Dr. Stefano Fiorucci**

Department of Surgical and  
Biomedical Sciences, Section of  
Gastroenterology, University of  
Perugia, 06123 Perugia, PG, Italy

Deadline for manuscript  
submissions:

**closed (10 December 2021)**

### Message from the Guest Editor

Dear Colleagues,

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.



[mdpi.com/si/71157](https://mdpi.com/si/71157)

**Special** Issue



*cells*



an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Alexander E. Kalyuzhny**

Neuroscience, UMN Twin Cities,  
6-145 Jackson Hall, 321 Church St  
SE, Minneapolis, MN 55455, USA

**Prof. Dr. Cord Brakebusch**

Biotech Research & Innovation  
Centre, The University of  
Copenhagen, Copenhagen,  
Denmark

## 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.

## 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](#), [MEDLINE](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Cell Biology*) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

## Contact Us

---

*Cells* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](#)