



## The Role of Intestinal Epithelial Cells and Their Cellular Interactions

Guest Editor:

### Dr. Younggeon Jin

Department of Animal and Avian  
Sciences, University of Maryland,  
College Park, MD, USA

Deadline for manuscript  
submissions:

**31 October 2024**

### Message from the Guest Editor

This Special Issue, “The Role of Intestinal Epithelial Cells and their Cellular Interactions”, will mainly focus on the role of intestinal epithelial cells (IECs) and their regulation and crosstalk with stromal and immune cells.

Single-layered IECs are a semipermeable barrier that allows the absorption of nutrients and transport of substances and prevents the entry of harmful substances, luminal antigens, and pathogens. The IECs dynamically interact with both intestinal stromal and immune cells to maintain tissue homeostasis and alterations to pathological conditions. Understanding the impact of IECs and their interaction with subepithelial cells is essential for improving gut health.

We cordially invite authors to submit original research or review articles pertaining to this important and fast-progressing field of biomedicine. Potential topics include, but are not limited to:

- The mucosal barrier in gastrointestinal physiology and pathology;
- Intestinal stem cell biology in tissue homeostasis and regeneration;
- The crosstalk of intestinal epithelial cells with stromal or immune cells.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Felipe Fregni

1. Neuromodulation Center and  
Center for Clinical Research  
Learning, Spaulding  
Rehabilitation Hospital and  
Massachusetts General Hospital,  
Harvard Medical School, Boston,  
MA 02114, USA  
2. Department of Epidemiology,  
Harvard T.H. Chan School of  
Public Health, Boston, MA 02115,  
USA

## Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

## 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*, *PMC*, *CAPLus / SciFinder*, and other databases.

**Journal Rank:** JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q2 (*Medicine (miscellaneous)*)

## Contact Us

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

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

[mdpi.com/journal/biomedicines](https://mdpi.com/journal/biomedicines)  
[biomedicines@mdpi.com](mailto:biomedicines@mdpi.com)  
[X@Biomed\\_MDPI](https://twitter.com/Biomed_MDPI)