

Special Issue

Advances in Intestinal Epithelial Plasticity and Regeneration

Message from the Guest Editor

The intestinal epithelium is a dynamic and highly regenerative tissue that plays a pivotal role in nutrient digestion and absorption, hormone secretion, and the response to various challenges such as injury, infection, and inflammation. It has a remarkable capacity for self-renewal under normal homeostatic conditions and regeneration in response to tissue damage. It is crucial that we gain insights into the mechanisms that govern intestinal epithelial self-renewal, plasticity and regeneration in order to enhance our understanding of gastrointestinal health and disease. This Special Issue is dedicated to exploring the latest advancements in the field of intestinal epithelial plasticity and regeneration. We welcome contributions that focus on, but are not limited to, the following topics:

- Molecular mechanisms that regulate the function and differentiation of intestinal stem cells (ISCs);
- Cellular plasticity within the intestinal epithelium during homeostasis, tissue damage, and disease;
- Interactions between the intestinal epithelium and the microbiota in health and disease;
- Therapeutic strategies aimed at promoting intestinal regeneration and repair.

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).