

Special Issue

pH Sensing, Signalling, and Regulation in Cellular Processes

Message from the Guest Editor

The goal of this Special Issue is to provide an overview of the plethora of processes involving pH-sensing receptors, as well as the receptors themselves, ranging from ion channels and G-protein-coupled receptors to inflammatory processes and malignant transformation in cells, tissues, and whole animals. This will provide an exciting insight into the diversity of processes that pH and changes in pH can accompany and trigger. We welcome you to contribute original research articles and comprehensive reviews to this Special Issue. Keywords:

- extra- and intracellular pH
- pH sensing, signaling, and regulation
- pH-dependent receptors
- proton signaling
- ion channels
- G-protein-coupled receptors
- cell biology and function
- physiological and pathological processes
- aging, cancer, inflammation, and so on
- novel therapeutic strategies and targets

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2026)



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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).