

Special Issue

Breakthroughs in Cell Signaling in Health and Disease

Message from the Guest Editors

Cell signaling contributes to homeostasis in humans and is normally involved in endocrine, neuronal and local communication between cells and tissues. However, abnormal cell signaling contributes to many diseases, including chronic inflammation, infection, cancers, neurodegeneration and metabolic disorders.

Consequently, research into the mechanisms underlying the control of cell signaling processes in health and disease has accelerated the discovery of disease biomarkers and new drug targets. As a recognized expert in the field of cell signaling, we are pleased to invite you to contribute original articles, communications and reviews that cover the broad field of “Cell Signaling in Health and Disease.” Topics will include new mechanisms of signal transduction, the contribution of new mechanisms to functional regulation of cells, tissues, organs and whole organisms and the validation of drug targets and drug development. The Special Issue aims to highlight the recent developments in the signaling field that have a significant impact on our understanding of health and disease.

Guest Editors

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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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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).