

Special Issue

Novel Insights into Molecular and Cellular Mechanisms Underlying Chronic Pain

Message from the Guest Editor

Chronic pain represents a major health issue and an unmet medical challenge. Despite increasing research efforts in this field, the mechanisms underlying pain and the chronification of pain remain poorly understood.

Peripheral, spinal and supraspinal processes contribute to the development and maintenance of pain. Neuronal and non-neuronal factors play a pivotal role in pain signaling and its amplification, resulting in pain persistence. New insights into the mechanisms involved in pain are desperately needed in order to identify new therapeutic targets for pain management. This Special Issue will address current knowledge gaps in relation to the cellular factors and molecular pathways involved in the pathophysiology of pain at the peripheral, spinal, and supraspinal levels and the associated sexual dimorphisms. We welcome articles exploring pain-related mechanisms and their therapeutic implications, with the goal of inspiring the development of efficient new clinical treatments.

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).