

Special Issue

Epigenetic Plasticity: How Chromatin Dynamics Orchestrate Fundamental Life Processes

Message from the Guest Editors

This Special Issue will focus on chromatin plasticity and dynamics, which refer to the flexible and highly regulated structural states of chromatin that enable cells to control genome accessibility and function. It explores how chromatin architecture changes in response to developmental cues, environmental signals, and cellular stress, and how these structural transitions influence transcription, DNA replication, repair, epigenetic memory and cell division. By highlighting advances in imaging, sequencing technologies, and molecular approaches, the issue brings together insights into nucleosome remodeling, histone modifications, phase separation, and higher-order genome organization. Understanding these dynamic processes is essential for uncovering the mechanisms that maintain cellular identity and for identifying how chromatin misregulation contributes to human diseases, including cancer, aging, and developmental disorders.

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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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