

Special Issue

Clockwork Cells: Decoding the Language of Cell Cycle Regulators

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue on “Cell Cycle Regulators” in *Cells*. The cell cycle is fundamental to cellular proliferation, differentiation, and maintaining genomic stability. Cell cycle regulators emerged early in eukaryotic evolution and have since undergone remarkable diversification. Precise control of the cell cycle is essential for normal development and tissue homeostasis, while its dysregulation is a hallmark of numerous pathological conditions, including cancer, neurodegeneration, and aging. This Special Issue aims to highlight recent advances in our understanding of the molecular mechanisms governing cell cycle progression, checkpoint control, and cell cycle arrest. We welcome studies exploring the functions of cyclins, cyclin-dependent kinases (CDKs), CDK inhibitors, tumor suppressors, and DNA damage response pathways. Additionally, we encourage submissions that investigate the diversity and evolution of cell cycle regulators across different species, which can offer novel insights into conserved and lineage-specific regulatory strategies.

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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