

Special Issue

Advances in Stem Cells and Regenerative Medicine

Message from the Guest Editor

Dear Colleagues, Regenerative medicine is a diverse and rapidly evolving field focused on enhancing the body's ability to regenerate healthy tissue and overcome disease processes. Regenerative medicine is an interdisciplinary approach employing core expertise from developmental biologists, stem cell biologists, clinicians, experts in chemistry and the physical sciences, engineers and imaging experts. Organ-on-a-chip is a promising technology to construct organ-specific microenvironments, reconstituting tissue structures, tissue-tissue interactions and interfaces, and dynamic mechanical and biochemical stimuli found in specific organs, to direct cells to assemble into functional tissues. The current Special Issue will accept original studies, reviews and technical reports in the field of stem cell biology and regenerative medicine, written by researchers active in the field. Studies on the function of stem cells in different tissues and organs, influence of the niche during aging, injury and regeneration will be welcomed. Moreover, contributions in the field of "organ-on-a-chip" technology will be appreciated.

Guest Editor

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Deadline for manuscript submissions

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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 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).