

Special Issue

Gene and Cell Therapy in Regenerative Medicine

Message from the Guest Editors

Gene and cell therapy represent a promising approach to overcoming the natural restrictions of the body relating to regeneration. Potential topics of the special issue include, but are not limited to, the following:

Isolation, expansion and analysis of stem cells from various tissues and organs for biomedical and clinical applications;

Pre-clinical and clinical applications of autologous and allogeneic natural and genetically modified cells;

Stem cells in tissue engineering (3D printing, organoids, decellularized tissues and organs, natural and artificial matrixes etc.);

Immunomodulatory effects of stem cells;

Gene therapy (vector development, therapeutic gene editing, transgene delivery etc.);

Using genetic modification and chemical treatments for modulating biological properties and therapeutic efficiency of stem and differentiated;

Characterization and application of natural and artificial membrane vesicles from various natural and genetically modified cells for regenerative medicine.

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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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JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

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).