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Gene and Cell Therapy in Regenerative Medicine

Guest Editors:

Prof. Dr. Albert Rizvanov

Institute of Fundamental
Medicine and Biology,
Department of Genetics, Kazan
Federal University, Kazan, Russia

Dr. Ayşegül Doğan

Department of Genetics and
Bioengineering, T.C. Yeditepe
Universitesi, Istanbul, Turkey

Deadline for manuscript
submissions:

closed (15 July 2023)

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.

Prof. Dr. Albert A. Rizvanov

Dr. Ayşegül Doğan

Guest Editors



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Special Issue



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Neuroscience, UMN Twin Cities,
6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
Centre, The University of
Copenhagen, Copenhagen,
Denmark

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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Contact Us

Cells Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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