

Special Issue

Stem Cell Therapy for Autoimmune Diseases

Message from the Guest Editors

Approximately 3–5% of the worldwide population is affected by autoimmune diseases (ADs). Within the multifactorial etiology of chronic and self-perpetuating ADs with prominent inflammation, failure of self-tolerance and aberrant immune regulation seem to be especially deleterious. Thus, the basic therapeutic goal in ADs is to achieve immune homeostasis. Stem cell (SC) therapy has been considered to be a promising alternative approach. Besides repairing damaged tissues, SCs have the unique ability to modulate the immune system extensively in terms of immune reconstitution and overcoming the impaired self-tolerance status. Also, MSC-derived extracellular vesicles (secretomes) are important in the regulation of innate and adaptive immune reactions as well. SCs could serve as ideal therapeutic agents with the capacity to provide long-lasting, sustained protection from autoimmunity. The Special Issue is to discuss current trends of different stem cell-based therapy options in ADs, including their advantages, disadvantages, and obstacles, from a broad perspective of basic research and clinical practice.

Guest Editors

Dr. Györgyi Múzes

Department of Internal Medicine and Hematology, Semmelweis University, Budapest, Hungary

Dr. Ferenc Sipos

Department of Internal Medicine and Hematology, Semmelweis University, Budapest, Hungary

Deadline for manuscript submissions

closed (30 June 2023)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 9.9
Indexed in PubMed



mdpi.com/si/96933

Cells
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)





Cells

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 9.9
Indexed in PubMed



[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)



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.

Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

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 17.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).