

Special Issue

Regenerating Poorly Vascularized Tissues

Message from the Guest Editor

The goal in regenerative medicine is to repair, replace, or regenerate injured tissues and organs. Through tissue engineering, we attempt to achieve this objective by creating bio-functionalized “constructs” to be used as alternatives to donor material. Our aim in launching this Special Issue is to explore recent promising research trends in tissue repair and regeneration within microenvironments that have compromised vascular networks, in order to improve the healing process and achieve long-lasting functional recovery. Possible topics for inclusion in this Special Issue include, but are not limited to, the following: The development of bioengineered materials;

The development of pre-vascularized engineered constructs;

The development of cell-based medicinal products (CBMPs);

Approaches to treatment and patient management in reconstructive and regenerative medicine;

Biological aspects of vasculogenesis in adults and its potential applications.

Guest Editor

Dr. Simone Pacini

Department of Clinical and Experimental Medicine, University of Pisa, Pisa, Italy

Deadline for manuscript submissions

25 October 2025



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/230936

Cells
Editorial Office
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 5.2
CiteScore 10.5
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

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard 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 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).