Special Issue

Vascular Endothelial Functions in Health and Diseases

Message from the Guest Editors

This Special Issue provides a comprehensive review of the rapidly expanding field of vascular biology. The vascular endothelial cell layer separates blood from underlying tissue, thereby exerting multiple functions including control of vascular tone and hemodynamics, participation in blood clotting, modulation of immune reactions, triggering angiogenesis, and exchange of substances between blood and tissues. Therefore, endothelial dysfunction or damage is a cause of several human pathologies such as chronic wounds, cardiovascular diseases, diabetes, cancer, lung and brain injury, and infectious diseases, including COVID-19. Advancement in endothelial protection and correction of endothelial dysfunction requires the identification of the key molecules that participate in signaling cascades, metabolic health, and macromolecule interaction networks in endothelial cells. Some of these molecules are predicted to gain pharmacologic value in emerging vasculoprotective therapies.

Guest Editors

Dr. Agnes Klar

Tissue Biology Research Unit, Department of Surgery, University Children's Hospital Zurich, 8032 Zurich, Switzerland

Dr. Yang Lin

Weill Cornell Medicine, 505 East 70th Street, 1320 York Avenue, New York, NY 10021, USA

Deadline for manuscript submissions

closed (20 November 2023)

Cells

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 9.9
Indexed in PubMed

mdpi.com/si/153482

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

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

MDPI

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).