Special Issue

Regulation of Vascular Endothelial Growth Factor (VEGF) and Its Receptor (VEGFR) in Angiogenesis

Message from the Guest Editors

Angiogenesis is a finely regulated process, and it typically occurs in physiological settings such as embryonic development and organ lining, as well as during the menstrual cycle, muscle growth, and tissue repair. However, aberrant neovascularization may arise due to pathological mechanisms that trigger an imbalance between anti-angiogenic and pro-angiogenic stimuli, including the over-activation of the VEGF/VEGFR system. Thus, angiogenesis is involved in several non-neoplastic conditions such as retinopahties, age-related macular degeneration, autoimmune diseases, and arterosclerosis. Moreover, angiogenesis strongly contributes to tumor progression and metastatic dissemination. Therefore, anti-angiogenic strategies targeting the VEGF/VEGR family could provide valid therapeutic options in a wide-range of pathological conditions. In this frame, this *Special Issue* will collect both original works and reviews aimed at clarifying the mechanisms involved in the regulation and dysregulation of the VEGF/VEGFR signaling axis, and we will explore novel anti-angiogenic strategies directed against VEGF/VEGFR.

Guest Editors

Dr. Alessandra Loda
Department of Molecular and Translational Medicine, University of Brescia, Brescia, Italy
Prof. Dr. Paola Bagnoli
Department of Biology, University of Pisa, 56127 Pisa, Italy

Deadline for manuscript submissions

closed (25 April 2026)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/216939

Cells
Editorial Office
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 5.2
CiteScore 10.5
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

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 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).