Special Issue

Cellular and Molecular Mechanisms of Limb Development and Regeneration

Message from the Guest Editor

Embryonic development is a fascinating process requiring a very precise spatiotemporal regulation of cellular proliferation and subsequent differentiation. There are a few model systems addressing experimentally these issues and the vertebrate limb development is one of the more popular ones. This model makes it possible not only to study the embryonic events but also to investigate pathological and repair processes in postnatal life. All major signaling pathways are activated during the induction, progression, and regeneration of the vertebrate limb. Most cellular processes such as migration, patterning, differentiation are also present. Several types of stem cells have been described, which are present during limb development. This Special Issue will focus on the latest developments in limb induction, regeneration, and patterning with the particular focus on the cellular and molecular aspects of those processes.

Guest Editor

Prof. Przemko Tylzanowski
KU Leuven, 3000 Leuven, Belgium

Deadline for manuscript submissions

closed (31 August 2021)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/34246

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).