

Special Issue

Cell Adhesion/Migration in Tumor Metastasis

Message from the Guest Editor

Cell migration plays critical roles in many physiological processes, including cancer progression. Tumour metastasis is a deadly consequence of tumour cell invasion and dissemination. In addition, 2D cell migration in specific extracellular matrixes typically relies on the formation of protrusions, mechanosensitive cell attachment to the ECM, actin-based force generation to propel cell movement and finally, adhesion disassembly at the cell rear. Following the in-depth study of the key steps of the process, new regulatory pathways and accessory proteins are emerging. At the same time, the availability of new tools to address how the cells move in a 3D environment is adding to the complexity of how this coordinated event has to be regulated. The aim of this Special Issue is to compile original and review articles that deal with cell invasion and migration in 2D as well as 3D. Work that presents new innovative technical approaches or protein functions related to this process are very welcome.

Guest Editor

Dr. Daniel Bouvard

CNRS UMR 5237, Centre de Recherche en Biologie Cellulaire de Montpellier (CRBM), Université de Montpellier, Montpellier, France

Deadline for manuscript submissions

closed (31 August 2024)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/170273

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, CAPus / 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).