Special Issue

Single Cell Analysis of Complex Biological Systems

Message from the Guest Editors

High-dimensional single-cell analysis enables a deep understanding of the cellular and molecular mechanisms of complex biological systems. Recent technological advances have made it possible to unravel the genome, epigenome, transcriptome, and proteome one cell at the time. A diverse range of single-cell technologies have been progressively adopted by the scientific community, and many of those are now routinely used to understand the function and cell composition of normal tissue, including developmental stages and disease. This Special Issue is intended to take a snapshot of this fast-moving field, inviting reviews and original research manuscripts of any modality of single-cell analysis in all aspects of biology and medicine using mammalian and non-mammalian cellular systems, animal models of development and disease, and clinical cohorts. As guest editors of this Special Issue we encourage submissions of descriptive cell atlas-based studies, in depth mechanistic studies, new methodologies, computational approaches or meta-analyses of existing single-cell resolution data.
Dr. David Gallego Ortega

Guest Editors

Dr. David Gallego-Ortega

Group Leader, Tumour Development—The Kinghorn Cancer Centre, Garvan Institute of Medical Research; Conjoint Senior Lecturer—St. Vincent's Clinical School, Faculty of Medicine, University of New South Wales Sydney; Senior Research Fellow—Institute for Biomedical Materials & Devices (IBMD), School of Mathematical and Physical Sciences, Faculty of Science, University of Technology Sydney, Sydney, Australia

Dr. Fatima Valdes Mora

Team Leader—Cancer Epigenetic Biology and Therapeutics, Personalised Medicine, Children's Cancer Institute; Conjoint Senior Lecturer—School of Women's and Children's Health, Faculty of Medicine, University of New South Wales Sydney, Sydney, Australia

Deadline for manuscript submissions

closed (31 October 2021)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/59735

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

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).