

## Special Issue

# Cellular Differentiation in Health and Disease

### Message from the Guest Editors

Cell differentiation is a key factor influencing many biological processes in health and disease. Many factors can influence cell differentiation, such as microenvironment, signaling pathways, cell to cell interactions and endocrine factors, which often interact. Cell differentiation occurs as a normal physiological process during development and some aspects of regeneration/healing, but also in pathological processes; for example, tumour cells can differentiate to show different morphological and growth characteristics. Comparison and contrast of the different physiological and pathological processes might provide useful clues. This Special Issue aims to explore drivers and mechanisms of cell differentiation in normal and pathological conditions, especially with regard to human health and disease. In vitro and in vivo observations can be compared and possible therapeutic manipulations can be explored. This Special Issue is complex and input from different fields is often helpful. Contributions from investigators of different backgrounds and areas of expertise are encouraged.

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### Guest Editors

Dr. Christine K. C. Loo

Prince of Wales Hospital, Sydney, Australia

Prof. Dr. Grant A. Ramm

1. QIMR Berghofer Institute, Brisbane, QLD 4006, Australia

2. Faculty of Medicine, The University of Queensland, Brisbane, QLD 4006, Australia

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### Deadline for manuscript submissions

25 December 2025



## Cells

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*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto:cells@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

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## 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.

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### 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

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#### Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

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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).