

Special Issue

Cell Biology: State-of-the-Art and Perspectives in Canada 2022

Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the state of the art of cell biology in Canada. We invite research papers that will consolidate our understanding in this area. The Special Issue will publish full research articles and comprehensive reviews. Potential topics include but are not limited to the following research areas:

- OMICS: transcriptomics, genomics, proteomics, metabolomics, glycomics, lipidomics, interactomics, fluxomics, and biomics;
- Cell structure: organelles, cytoskeleton, cell membrane, capsule, flagella, etc.;
- Cell physiology: cell growth, metabolism, protein synthesis, division, movement of proteins, active/passive transport, intra- and extracellular signaling, adhesion, DNA repair, etc.;
- Cell movement and motility;
- Autophagy;
- Apoptosis;
- PANoptosis;
- Cell aging;
- Cell techniques: cell and tissue culture, isolation, and fractionation of cells, immunocytochemistry (ICC), in situ hybridization (ISH), transfection, and optogenetics;
- Cell growth and differentiation;
- Hematopoiesis and stem cells;
- Cancer stem cells;
- Genetic disorders;
- CAR-T cell research.

Guest Editors

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Deadline for manuscript submissions



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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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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).