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

Guest Editors:

Prof. Dr. János G. Filep

Maisonnette-Rosemont
Hospital, Department of
Pathology and Cell Biology,
University of Montreal, Montreal,
QC H1T 2M4, Canada

Dr. Ian Rogers

1. Department of Obstetrics &
Gynecology, and Department of
Physiology, University of Toronto,
Toronto, ON M5S 1A8, Canada
2. Lunenfeld Tanenbaum
Research Institute, Mount Sinai
Hospital, Toronto, ON M5G 1X5,
Canada

Deadline for manuscript
submissions:

closed (30 November 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



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Special Issue



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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

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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Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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