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Cell Biology: State of the Art and Perspectives in Japan

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Deadline for manuscript
submissions:

closed (15 June 2023)

Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the state-of-the-art of cell biology in Japan. Potential topics include, but are not limited to, the following research areas:

Cell structure: organelles, cytoskeleton, cell membrane, capsule, flagella, etc.;

Cell physiology: cell growth, protein synthesis, division, movement of proteins, active/passive transport, intra- and extracellular signaling, adhesion, DNA repair

Cellular Metabolism: adaptive metabolism, metabolism and intracellular trafficking, immunometabolism, metabolic disorder, etc.

Cell movement and motility: membrane trafficking, cell division, cell migration, etc.

Cell techniques: cell and tissue culture, isolation, and fractionation of cells, immunocytochemistry (ICC), in situ hybridization (ISH), transfection, and optogenetics;

OMICS: transcriptomics, genomics, proteomics, metabolomics, glycomics, lipidomics, interactomics, fluxomics, and biomics;

Autophagy and Apoptosis;

Cell aging and death;

Cell growth and differentiation;

Stem cells;

Genetic disorders;

Plant, Algae and Fungi Cell Biology;

Immune cell research;

Radiation effects on cells.



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Special Issue



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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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