

Special Issue

Mitochondrial Biology in Health and Disease

Message from the Guest Editors

Best known for respiratory ATP production, mitochondria are deeply embedded the life of the eukaryotic cell. They are the product of two genomes whose expression is coordinated by information shared between them, the nucleus and the rest of the cell. They participate in critical, central metabolic pathways and are fully integrated into the signalling networks that regulate diverse cellular functions. Mitochondrial defects or dysregulation play key roles in ageing and in cytopathological mechanisms underlying cancer, neurodegenerative and other diseases. This Special Issue will provide a balanced, state-of-the-art view of mitochondrial function and dysfunction in healthy and diseased cells. We seek submission of high quality articles on topics including, but not limited to, mitochondrial biogenesis, metabolism, regulation, gene expression, signalling and roles in ageing and disease. Because of their vital contributions to understanding human biology and disease, we encourage manuscripts that describe or include the use of simple model systems. Prof. Paul R. Fisher Dr. Sarah J. Annesley

Guest Editors

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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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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).