Special Issue

Recent Advances in Intravital and Live Cell Imaging

Message from the Guest Editors

The use of fluorescent labels and the development of various forms of optical microscopy have significantly advanced our knowledge about the basic mechanisms underpinning biology and the pathophysiological processes that lead to disease. This Special Issue focuses exclusively on intravital, super-resolution, and life cell microscopy techniques which are developed to study cellular and subcellular events in health and diseases. Papers are solicited on following topics:

- Intravital imaging of animal model tissues to study cellular dynamics in acute or chronic set up
- Novel animal models to study cellular and subcellular events
- Intravital imaging technology to study cellular dynamics behavior in vivo for instance through an imaging window or optical fibers
- Super-resolution microscopy technologies
- Life cell imaging in general
- Fluorescence microscopy techniques with respect to life cell imaging
- Correlative microscopy
- Physicochemical properties, synthesis, and modification of novel fluorophores for imaging

Guest Editors

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Deadline for manuscript submissions

closed (5 February 2024)

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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.

Editors-in-Chief

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Author Benefits

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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 17.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).