

Special Issue

Innovative Methods to Monitor Single Live Cells

Message from the Guest Editors

In this Special Issue, we are assembling a collection of recent methods that enable non-invasive monitoring of biological processes in single cells. Following the same cell over time and acquiring molecular information without disrupting its physiology is arguably one of the most under-served areas in the current technical toolbox of molecular biology. Although significant strides have been made in the past several years, it is still challenging to learn and employ methods that allow real-time measurements of abundance, localization, or interactions of specific molecules inside cells, particularly if the relevant biological process unfolds over hours or days. The cell systems biology community stands to benefit from rigorous and transparent discussions about successful applications and pitfalls of available techniques. We hope to address the need in this issue with a latest set of advances in live-microscopy approaches and related methods.

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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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