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Probing Growth during Health and Disease

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Deadline for manuscript submissions:
closed (31 October 2023)

Message from the Guest Editors

Strikingly, nature has been able to reproduce organism patterns, differing several orders of magnitude in size, throughout evolution. This fact has long been discussed, and it is widely agreed that cells within tissues build up successful organisms driven by growth and patterning "forces". These mechanisms run smoothly, but rebel cells can evade this hierarchy by losing their identity and acquiring uncontrolled proliferative behaviors in diseases such as cancer. In recent decades, key pathways regulating growth and patterning during health and disease have been described, although the mechanisms coordinating growth and patterning remain unclear. Future research efforts will need to bridge individual cell behavior with the tissue scale during development and disease.

This Special Issue is an open multidisciplinary discussion aiming to bring together current knowledge of the mechanisms regulating growth, including research papers, reviews, and communications covering the cell biology aspects of growth in health and disease.

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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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