Special Issue

Primary Cilia in Health and Diseases

Message from the Guest Editor

Through the cilium, cells and tissues adapt to changes in the extracellular environment by regulating cell cycle, cellular function, cell shape, and movement. For the cilium to work as an antenna, a variety of receptors, transporter proteins, ion channels, and effector molecules are localized to the cilium. Moreover, signaling pathways orchestrated by primary cilia play important roles in development, proliferation, differentiation and cell survival. Therefore, loss of primary ciliogenesis is highly linked with genetic diseases, known as ciliopathies, which show a large spectrum of anomalies in multiple organ systems. In addition, recent evidence suggests that dysregulation of primary cilia is also associated with various human diseases, including cancer, metabolic diseases, and neurodegenerative diseases. This Special Issue will discuss the role of primary cilia in development, survival, death, and pathophysiological conditions. We encourage you to contribute to this Special Issue of *Cells* and submit a research article, a review article, or a perspective and opinion article that is dedicated to primary cilia.

Guest Editor

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Deadline for manuscript submissions

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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).