

## Special Issue

# Molecular and Cellular Mechanisms of Liver Regeneration: From Biology to Therapy

### Message from the Guest Editor

The liver is a critical organ that concomitantly manages complex and vital functions in order to regularly supply the human body with needed nutrients and maintain its homeostasis. Related chronic liver defects are behind a significant increase in mortality, and the gold standard therapeutic approach, orthotopic liver transplantation, is not sufficient to treat all affected patients. Therefore, deep investigations of the molecular and cellular components associated with both physiological and pathological regeneration are of significant interest and should ultimately lead to an understanding of both the different diseases damaging such an organ, which should help in designing appropriate and effective alternative therapeutic solutions. This Special Issue of *Cells* welcomes high-quality original basic research papers and reviews that focus on exploring cellular and molecular alterations that drive and hamper both physiological and pathological liver regeneration.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2025)



## Cells

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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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### Editors-in-Chief

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