

## Special Issue

# PI3K/AKT/mTOR Signaling Network in Human Health and Diseases, 3rd Edition

### Message from the Guest Editors

The phosphoinositide 3-kinase (PI3K)/AKT/mammalian target of the rapamycin (mTOR) signaling pathway plays a critical role in regulating cell growth, proliferation, survival, motility, differentiation, angiogenesis, and metabolism. Over the last two decades, major advances have been made in our molecular understanding of the role of PI3K/AKT/mTOR signaling in physiological processes, and we have discovered the complexity of the events mediated by this network, with the highly conserved mTOR complex (mTORC) as a central point of integration. In addition, increasing evidence suggests that PI3K/AKT/mTOR signaling is frequently dysregulated in diverse human pathologies. Thus, therapeutic strategies with different rationales have been explored that target components of this signaling axis, as well as associated pathways that benefit patients in various clinical settings.

This series of Special Issues, entitled “PI3K/AKT/mTOR Signaling Network in Human Health and Diseases, 3rd Edition”, aim to present a collection of articles related to the PI3K/AKT/mTOR signaling pathway in human health and diseases. Emphasis will be given to the molecular facets of PI3K/AKT/mTOR in specific diseases.

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### Guest Editors

Dr. Jean Christopher Chamcheu  
Dr. Claudia Bürger  
Prof. Dr. Shile Huang

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### Deadline for manuscript submissions

20 October 2026



## Cells

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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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### Editors-in-Chief

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