

## Special Issue

# The Spatial and Temporal Dynamics of the Tumor Microenvironment

### Message from the Guest Editors

The tumor microenvironment (TME) is a dynamic and complex ecosystem composed of cancer cells, stromal cells, immune infiltrates, vasculature, and the extracellular matrix, all interacting in a spatially and temporally regulated manner. These interactions profoundly influence tumor initiation, progression, immune evasion, and therapeutic response. Recent advances in spatial transcriptomics, multiplex imaging, and single-cell technologies have revealed that the architecture and composition of the TME are highly heterogeneous, not only between tumors but also within distinct regions of the same tumor. Moreover, the TME evolves over time in response to intrinsic tumor changes and external pressures such as therapy or immune surveillance. Understanding these spatial and temporal dynamics is critical for identifying key regulatory niches, tracking tumor evolution, and uncovering mechanisms of resistance and relapse. This Special Issue thus invites submissions that investigate the organization, remodeling, and functional implications of the TME across space and time.

### Guest Editors

Dr. Shilpa Bisht

Dr. Abhishek Gupta

Dr. Anjali Trivedi

Dr. Alessandra Ferraresi

### Deadline for manuscript submissions

1 December 2025



## Cells

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*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto:cells@mdpi.com)

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*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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Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,  
Minneapolis, MN 55455, USA

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Biotech Research & Innovation Centre, The University of Copenhagen,  
Copenhagen, Denmark

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