

## Special Issue

# Ca<sup>2+</sup> Signaling and Calcium-Binding Proteins in Human Disease

### Message from the Guest Editor

Calcium signaling plays a crucial role in various physiological processes, and disruptions in this pathway have been implicated in several human diseases. Calcium signaling often involves the interaction of calcium ions with calcium-binding proteins (e.g., calmodulin) to transduce calcium signals into cellular responses. Aberrations in these signaling pathways have been associated with a spectrum of human diseases, including cardiac disorders, neurodegenerative conditions and immune system dysfunction. However, the precise molecular mechanisms of these diseases remain poorly understood, limiting the development of novel, efficient and targeted therapies. For this Special Issue, we welcome all original research and review articles focusing on calcium signaling and calcium-binding proteins in the context of human disease.

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### Guest Editor

Dr. Nordine Helassa

Institute of Systems, Molecular and Integrative Biology, University of Liverpool, Liverpool, UK

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### Deadline for manuscript submissions

closed (31 March 2025)



## 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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