

## Special Issue

# Dysmorphia and Dysregulation of the Endoplasmic Reticulum in Degenerative Diseases

### Message from the Guest Editors

The factors determining the complex architecture of the endoplasmic reticulum (ER), the tissue-specific variations of this architecture, and its relation to function have stimulated the curiosity of cell biologists for many decades. For instance, specific proteins that regulate ER architecture as well as its communication with other organelles via membrane contact sites have been identified. The machinery that mediates transport of cargo proteins from the cytosol to the ER lumen has been unraveled in remarkable molecular detail, and is a paradigm for the understanding of structure/function relationships of transport complexes in other organelles. Importantly, it has become apparent that ER dysmorphia/dysfunction may be causal or concausal of numerous degenerative pathologies. This Special Issue will cover fundamental aspects of ER structure/function, and the consequences on cellular/organismal health when these are impaired, providing a comprehensive view of the pathophysiology of this central organelle.

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### Guest Editors

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### Deadline for manuscript submissions

closed (16 August 2021)



## Cells

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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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