

## Special Issue

# Function of Stress Granules in Normal Cells and in Alzheimer's Disease

### Message from the Guest Editors

Stress granules are complex, dynamic, but underappreciated non-membranous components of cells. They respond to cellular stresses by forming and sequestering protein and nucleic acid molecules of the cell machinery in response to the imposed stress with the apparent aim of responding to the specific stress. Different stresses result in different profiles of sequestration. If the stress is withdrawn for any reason, the stress granules dissipate, but if the stress is chronic, as in Alzheimer's and other neurodegenerative diseases, the stress granules persist. In this Special Issue devoted to stress granules, we plan to deal with topics including, but not limited to, the detection of stress granules, where, when, under what circumstances, and in what cells stress granules are found, the structure of stress granules, mechanisms for the formation and dissolution of stress granules, the molecules sequestered by stress granules under different circumstances, the mechanisms by which stress granules modulate transcription and translation, stress granules, and proteostasis.

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### Guest Editors

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### Deadline for manuscript submissions

20 August 2026



## 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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### Editors-in-Chief

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