

Special Issue

Inflammation, Oxidative Stress and Protein Aggregation; Any Links?

Message from the Guest Editors

Inflammation is a complex immune response that enables survival during infection and maintains tissue homeostasis. Proteostasis (proportion between the synthesis, translation, folding and degradation of proteins) should be in balance in a healthy cell, including neurons. In this Special Issue we propose: 1) to discuss how oxidative stress influences the inflammatory immune response; 2) studies of the regulatory pathways, which are turned on in the cytosol to restore proteostasis; and 3) studies which shed light on the connections between different stressors and the amount of protein aggregates, and the localization of the smallest, still soluble aggregates (oligomers), which are supposed to be the most toxic. Overall, by means of the proposed Special Issue, we expect to come closer to understanding the links between inflammatory response, oxidative stress and protein aggregation. Such knowledge may lead to common therapeutic targets to fight decreased proteostasis in aging or in neurodegenerative diseases.

Guest Editors

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Deadline for manuscript submissions

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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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