Special Issue

The Multifaceted Role of Molecular Chaperones in Cancer: Pro-Tumoral or Therapeutic Function

Message from the Guest Editors

Molecular chaperones, which belong to the Chaperone System (CS), play a pivotal role in maintaining protein homeostasis (proteostasis) in physiological and pathological conditions such as cancer.Recent findings have highlighted the dual role of molecular chaperones in carcinogenesis. These versatile proteins can either promote tumor initiation and progression or suppress its development by modulating multiple oncogenic signaling pathways and immune responses. Consequently, according to the context, molecular chaperones could be employed as diagnostic and prognostic biomarkers for evaluating the progression of cancer and its response to anti-tumor treatments, and as agents or targets for the development of innovative anti-tumoral therapeutic strategies.This Special Issue aims to explore the multifaced role of molecular chaperones in cancer, providing a platform for the dissemination of innovative research and advancements in the study and application of these proteins.We look forward to receiving your submissions, which will undoubtedly enrich this interesting area of research.

Guest Editors

Dr. Alessandra Maria Vitale

Department of Biomedicine, Neuroscience and Advanced Diagnostics, University of Palermo, Palermo, Italy

Dr. Federica Scalia

Department of Biomedicine, Neurosciences and Advanced Diagnostic (BiND), Human Anatomy Section, University of Palermo, 90127 Palermo, Italy

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Cells
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

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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.

Editors-in-Chief

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

Prof. Dr. Cord Brakebusch
Biotech Research & Innovation Centre, The University of Copenhagen, Copenhagen, Denmark

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