

Special Issue

Advances in Research on Chaperones and Proteostasis

Message from the Guest Editor

Proteostasis (protein homeostasis) encompasses protein synthesis, folding, localization, and degradation, and plays an essential role in organismal function and viability. Molecular chaperones are key players in maintaining proteostasis in both the intra- and extracellular environments and prevent undesirable protein–protein interactions. The dysfunction of proteostasis plays a role in a number of diseases, including cancer and diabetes, but most notably in neurodegenerative diseases, including Alzheimer’s disease, Parkinson’s disease, and amyotrophic lateral sclerosis. Advancement of our understanding of chaperones and proteostasis highlights potential therapeutic targets for the treatment of these diseases. However, prior to this, we need to further advance our knowledge of both intracellular and extracellular proteostasis and the roles of molecular chaperones in these systems. Therefore, we cordially invite contributions to this Issue of any studies focused on proteostasis, from basic research to clinical applications.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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