Special Issue

Extracellular and Organismal Proteostasis

Message from the Guest Editor

Our current understanding of the mechanisms that maintain protein homeostasis (proteostasis) in extracellular body fluids is limited. A failure or dysfunction of these processes leads to physiologically dangerous levels of misfolded, aggregated and potentially cytotoxic extracellular proteins, resulting in the development of a variety of serious human diseases. These secreted ECs are thought to recognise and specifically bind to extracellular misfolded proteins to maintain their solubility, neutralise their toxicity, and mediate their safe disposal. However, it is almost certain that other, yet-to-be-discovered processes play important roles in extracellular proteostasis. As one example, some of the identified ECs are known to also act as protease inhibitors. Advances that increase our understanding of extracellular proteostasis are essential for the future development of strategies to treat currently untreatable diseases. The goal of this Special Issue is to present current knowledge of the mechanisms operating in extracellular proteostasis and to identify important knowledge gaps in the field.

Guest Editor

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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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