Special Issue

Regulation of HMGB1 Release in Health and Diseases

Message from the Guest Editor

A ubiquitous nuclear protein, HMGB1, can be actively secreted by immune cells or passively released by injured somatic cells in response to infection or injury. At low levels, extracellular HMGB1 can orchestrate inflammatory responses. At overwhelmingly higher quantities, HMGB1 may induce immune tolerance and immunosuppression, thereby impairing the host's ability to eradicate microbial infections. A number of exogenous microbial products and endogenous proteins have been shown to bind HMGB1 and regulate its extracellular release or extracellular functions. In this Special Issue, we invite leading experts in the HMGB1 research field to submit research, and/or review manuscripts, that will discuss the divergent mechanisms underlying the regulation of HMGB1 release and action by exogenous and endogenous molecules in health and diseases.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2021)

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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.

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