

Special Issue

Endothelial Cell Signaling

Message from the Guest Editor

Endothelial cells play a critical role in the control and coordination of vascular function by working as a signal integration centre in the communication of diverse cell types of the circulatory system. One important mechanism of endothelial cell signaling is mediated by the release of autocrine/paracrine signals. Although connexin hemichannels (i.e., half of gap junction channel) and pannexin channels may contribute to the release of autocrine/paracrine signals, endothelial cell signaling also relies on direct gap junction channel-mediated communication with other cells of the vessel wall, such as smooth muscle cells, and cells that circulate in the blood stream, such as leucocytes. As cell homeostasis depends on the proper function of the vascular system, it is essential to improve and advance our understanding of the integrative regulation of vascular function by endothelial cell signaling. Therefore, original research articles, comprehensive reviews and novel communications related to the physiology, biochemistry and molecular biology of endothelial cell signalling in health and disease will be considered for this Special Issue.

Guest Editor

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