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Vascular Autophagy in Health and Disease

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Deadline for manuscript
submissions:

closed (1 June 2021)

Message from the Guest Editors

Autophagy is a basic cellular recycling process by which cells attempt to maintain homeostasis in response to various stressors to continuously provide metabolic substrates during times of nutrient starvation. The underlying mechanisms and signaling pathways of autophagy have been extensively studied, but its role in the circulatory system remains relatively ill-defined. In this context, autophagy is an important process to maintain homeostasis within tissue that is exposed to a variety of physiological and pathophysiological stimuli.

This Special Issue will focus on the signaling mechanisms related to autophagy stimulation in health and disease, as well as their functional relevance. Relevant topics include micro-autophagy, which directly envelops vesicles via direct invaginations within the membrane, and chaperone-mediated autophagy, which is specific to mammalian cells and involves the direct targeting and transportation of organelles that express specific molecular targets.



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Special Issue



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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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