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Autophagosome Formation

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Message from the Guest Editors

Macroautophagy, often referred to as autophagy, is a cellular degradation process of immense importance in biology and medicine. This process entails the sequestration of portions of cytoplasm using a phagophore membrane that eventually closes to form a double-membrane autophagosome. When the autophagosome fuses with a lysosome, its content becomes degraded by lysosomal hydrolases. Dysregulated autophagy plays key roles in cancers, autoimmune diseases, infections, myopathies, and several other diseases, and is therefore imperative in characterizing the cellular and molecular basis of autophagy. One of the most long-standing questions in the autophagy field has concerned the origin of the autophagosome. This Special Issue of *Cells* focuses on recent progress in our understanding of autophagosome biogenesis, including the source of the phagophore membrane, the origin and function of seed vesicles, and the role of lipid transport for autophagosome biogenesis.

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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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