Special Issue

Proteins in Autophagic Machinery

Message from the Guest Editor

Autophagosomes are double-membrane organelles whose formation and degradation are exquisitely controlled by a variety of cellular clues. The biogenesis of these organelles is a fascinating phenomenon that requires the orchestration of many different cellular processes including signaling, lipid trafficking, and membrane remodeling. The autophagic machinery is the set of proteins that execute and regulate this complex process to allow a correct induction, formation and degradation of autophagosomes. Although many components of this machinery are already known, we are still far from fully understanding the molecular mechanisms by which these proteins regulate the life cycle of autophagosomes. Moreover, the huge complexity of this process anticipates the implication of many other unknown players. This Special Issue is devoted to the study of the functions of the known proteins that regulate autophagosome formation as well as the new ones that are still waiting to be discovered.

Guest Editor

Dr. Ricardo Escalante

Biomedical Research Institute (IIB), Arturo Duperier 4, 28029 Madrid, Spain

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Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

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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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