

Special Issue

Molecular Research on Autophagy

Message from the Guest Editor

The autophagic machinery can be involved in many processes, such as the unconventional secretion including extracellular vesicles, the mechanism related to vesicle trafficking such as phagocytosis, and the regulation of inflammatory signaling such as the formation and clearance of inflammasome. Although a core group of evolutionarily conserved AuTophagy-related proteins is involved in autophagosome biogenesis, an increasing number of new autophagy-related proteins are being characterized in certain physiological and pathological situations or in specific selective or secretory autophagic processes. Furthermore, posttranscriptional as well as post translational modification of ATG molecules are emerging regulatory mechanisms in physiological and pathological roles of autophagy.

In this Special Issue of *IJMS*, the focus will be on molecular research in autophagy. Suitable topics include, but are not limited to molecular processes involved in the multiple roles of autophagy in physiological and pathological situations. Furthermore, the clinical and pharmacological applications of the research in molecular pathways related to autophagy are welcome for this Special Issue of *IJMS*.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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