

Special Issue

Ubiquitin-Conjugating or Deubiquitinating Enzymes in Signal Transduction Pathways

Message from the Guest Editor

For cellular homeostasis, the regulation of selective proteolysis is largely mediated by the posttranslational modification with the coordinated addition and removal of ubiquitin by the ubiquitin–proteasome system. Both ubiquitin-conjugating and deubiquitinating enzymes regulate the stability or function of proteins, allowing regulation of protein turnover through diverse signaling pathways. Dysregulation of these enzymes is increasingly being identified as a causative in various human diseases, such as cancers, metabolic diseases, neurodegenerative disorders, and so on. Therefore, a better understanding of the molecular mechanisms in signal transduction pathways will provide new insights into the development of more specific therapeutic approaches.

This Special Issue will focus on the role of ubiquitin-conjugating and deubiquitinating enzymes including new insights into diverse signal transduction pathways, and articles submitted can either be original research works regarding these enzymes or full reviews; however, we kindly encourage authors to provide short and highly focused reviews on specific and hot topics related to human diseases.

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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