



Ubiquitination and Deubiquitination in Cellular Homeostasis

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Message from the Guest Editor

Dear Colleagues,

For cellular homeostasis, the regulation of selective proteolysis is largely mediated by post-translational modification with coordinated addition and removal of ubiquitin by the ubiquitin–proteasome system. Both ubiquitination and deubiquitination regulate the stability or cellular functions of proteins, allowing regulation of protein turnover, diverse signaling pathways, DNA damage response, etc. Dysregulation of these cellular processes 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 cellular homeostasis will provide new insights into the development of more specific therapeutic approaches.

This Special Issue will focus on the role of ubiquitination and deubiquitination, including new insights into diverse cellular processes. Articles submitted can either be original research works regarding these processes or full reviews; however, we kindly encourage authors to provide short and highly focused reviews on specific and hot topics related to cellular homeostasis.





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Message from the Editor-in-Chief

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