Proteolytic Control of Deubiquitinating Enzymes in Health and Disease

Message from the Guest Editor

Dear Colleagues,

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. By antagonizing ubiquitination, deubiquitinating enzymes (DUBs) regulate the stability or function of proteins, allowing regulation of protein turnover, diverse signaling pathways, and DNA damage response. Dysregulated DUBs are increasingly being identified as a causative in various human diseases, such as neurodegenerative disorder and cancer. Therefore, a better understanding of the molecular mechanisms will provide new insights into the development of more specific therapeutic approaches.

This Special Issue of the *International Journal of Molecular Sciences* will focus on the role of DUBs, including new insights into diseases, and articles submitted can either be original research works regarding DUBs or full reviews; however, we kindly encourage authors to provide short and highly focused reviews on specific and hot topics related to human disease.

Prof. Kwang-Hyun Baek
*Guest Editor*
Message from the Editorial Board

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility: indexed by the Science Citation Index Expanded (Web of Science), MEDLINE (PubMed), Scopus and other databases.

Rapid publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 15.7 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2019).

Contact Us

International Journal of Molecular Sciences
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland
Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com
mdpi.com/journal/ijms
ijms@mdpi.com
@IJMS_MDPI