

Special Issue

Modifications of Protein Termini

Message from the Guest Editors

Protein-borne information not only relies on genetic code and its translation into amino acids but also on additional marks—so-called protein modifications—which are progressively added onto the elongating or fully-folded polypeptide chain. More than 400 modifications have been described to date. Though protein modification can theoretically occur anywhere, exposed loops are strongly favored sites due to both their higher accessibility and reactivity. Among them, protein N- and C-termini are the only conserved sites that promote extended modification temporality together with a remarkable diversity of chemical reactions and modifications. Dedicated enzymes catalyze most such modifications while some reactions only rely on physiological conditions. This Special Issue will publish original research articles and reviews, including perspectives in the field on the current understanding of modifications of protein termini. Manuscripts on molecular mechanisms and new quantitative approaches for measuring the modification levels and yields are welcome.

Guest Editors

Dr. Thierry Meinnel

Institute for Integrative Biology of the Cell, Université Paris-Saclay,
91198 Gif-sur-Yvette CEDEX, France

Dr. Carmela Giglione

Centre National de la Recherche Scientifique, Gif, France

Deadline for manuscript submissions

closed (31 August 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/57917

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)