



Modifications of Protein Termini

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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.





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Message from the Editor-in-Chief

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