

Special Issue

Protein Modification and Its Intracellular Delivery for Therapeutic Purposes

Message from the Guest Editors

There are more than 400 different types of posttranslational modifications (PTMs) that affect many aspects of protein functions, such as stability, trafficking or aggregation. Such modifications regulate crucial molecular mechanisms that regulate diverse cellular processes. Disruption in protein modification causes dysfunction of vital biological processes and is implicated in various diseases, such as cancer or neurological diseases. Drugs inducing protein degradation or aggregation have emerged as a novel therapeutic strategy in drug development. Recent evidence demonstrates that such approaches are alternatives to traditional approaches. However, these approaches present the challenge of intracellular delivery, as they request novel targeting approaches.

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Deadline for manuscript submissions

closed (20 November 2022)



Pharmaceutics

an Open Access Journal
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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/105605

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