Special Issue

New Insights into Proteomics and Post-translational Modification of Proteins

Message from the Guest Editor

Proteins are fundamental biological molecules in cells, while post-translational modifications (PTMs) are key mechanisms to dynamically and reversibly regulate the functions of proteins. Systematic and large-scale analysis of protein sequences, structures, variations, expression profiles, PTMs and functional impacts not only enables a much better understanding of life, but also provides high-potential biomarkers and drug targets for biomedical consideration. Recently, advances in cutting-edge technologies, such as high-throughput mass spectrometry, high-content imaging, screening analysis, protein microarray, and proteogenomic integration, have generated new insights in proteomics and PTMs of proteins and held the concept of proteomics-driven precision medicine (PDPM).

The purpose of this Special Issue is to highlight recent technological innovations in the analysis of proteomics and PTMs of proteins, as well as new biological findings using these new techniques. Interdisciplinary studies are highly encouraged and appreciated. We welcome the submission of both original research articles and reviews.

Guest Editor

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Deadline for manuscript submissions

closed (25 November 2022)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/121648

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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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