# Special Issue

# PTM Rewired Protein Network in Diseases

## Message from the Guest Editors

Protein–protein interactions (PPIs) play a central role in almost all cellular processes. However, protein interactions driven by posttranslational modifications (PTMs) such as phosphorylation, which comprises a significant part of the PPI network, have proven difficult to decipher systematically. Technological advances such as Apex, TurboID, and Pup-it were developed recently. Tagged molecules that interact with baits can then be enriched and identified by mass spectrometry. In combination with newly developed superbinders and prediction methods, PTM regulated dynamic protein networks were identified in depth, which enabled the elucidation of an incredibly complex PPI network within the cell. This Special Issue on "PTM Rewired Protein Network in Diseases" aims to introduce new technologies used in protein network identification and to present a selection of their many important contributions to the molecular understanding of diseases. We look forward to your contributions.

## Guest Editors

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## Deadline for manuscript submissions

closed (20 January 2023)

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*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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