Special Issue

Glycosylation and Glycoproteins in Human Disease

Message from the Guest Editors

Glycosylation, the enzymatic addition of glycans to proteins, lipids, and RNAs, is a fundamental post-translational modification with profound implications for human health and disease. Glycoproteins, the end products of this modification, play essential roles in immune regulation, cell signaling, and protein stability. Aberrant glycosylation has been increasingly recognized as a hallmark of numerous pathological conditions, including cancer, autoimmune disorders, congenital metabolic diseases, infectious diseases, and neurodegeneration.

By bringing together interdisciplinary studies from glycobiology, molecular medicine, and biotechnology, this issue seeks to advance our understanding of how glycosylation contributes to human disease and how it can be leveraged for clinical benefit. Researchers are invited to submit original research articles, reviews, and perspectives that reflect current progress and emerging trends in this rapidly evolving field.

Join us in shaping this timely and impactful collection that will serve as a valuable resource for scientists and clinicians working at the interface of glycobiology and human health.

Guest Editors

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About the Journal

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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