

Special Issue

Glycosylation-Based Biomarkers in Diseases and Drug Delivery

Message from the Guest Editors

Glycoconjugates, such as, glycoproteins, proteoglycans and glycolipids, are major components of cells and organisms. A high diversity of glycan structures are present in specific cellular types, respond to regulatory signals and depend on the physiological conditions of the organism. Therefore, glycosignatures from cells, tissues or biofluids constitute valuable biomarker targets of disease. In the field of cancer changes in glycosylation have long been recognized and, consequently, several glycan-based biomarkers have been identified. For other diseases, such as neurological disorders, including neurodegeneration, the potential of glycosylation as biomarker is also relevant.

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