

# The prospects of glycan biomarkers for diseases

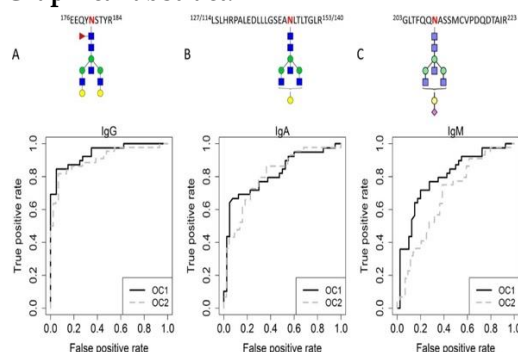
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**Abstract:** Glycosylation is a common modification of proteins and an integral part of the protein structure. It is also highly sensitive to the phenotype of the person. Glycosylation has been found to correlate with the person's age, sex, changes in proteins in diseases states. In cancer, protein abundances may remain relatively unchanged between healthy and control, however changes in glycosylation are persistent and readily measurable. Advanced method in separations and in mass spectrometry make it possible to monitor glycoforms in protein specific level. These methods are being used to diagnose diseases such as ovarian cancer. However, the platform is much more versatile and can be used to diagnose a whole host of indications in cancer and autoimmune diseases

## Graphical abstract:



**Keywords:** Biomarker; Glycosylation; Glycans, Glycoproteins, mass spectrometry, cancer.



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